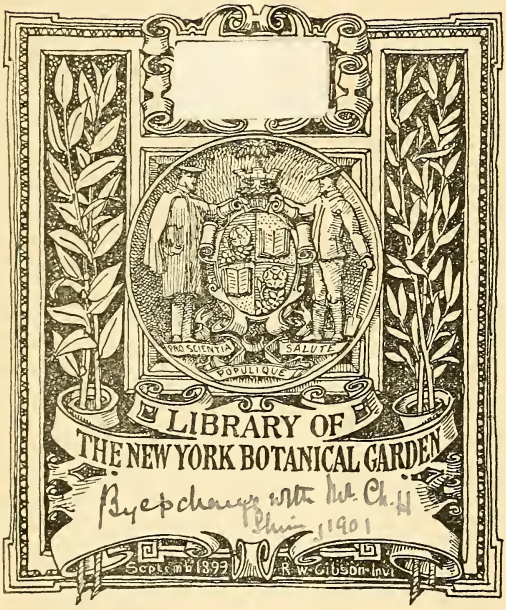
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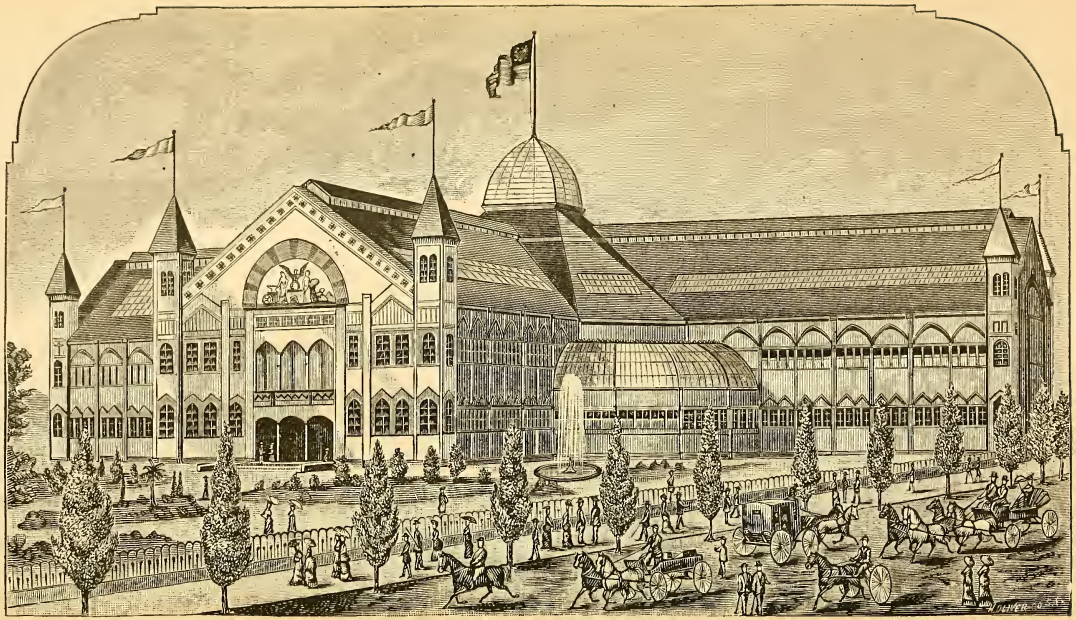

STATE AGRICULTURAL AND INDUSTRIAL EXPOSITION BUILDING.
Sacramento, California.

# TRANSACTIONS

OF THE

# CALIFORNIA

# STATE AGRICULTURAL SOCIETY

## DURING THE YEAR 1888.

SACRAMENTO:
STATE OFFICE, : : : : J. D. YOUNG, SUPT. STATE PRINTING.
1889.

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1888

# STATE BOARD OF AGRICULTURE FOR 1888.

## DIRECTORS.

| | |
|---|---|
| CHRISTOPHER GREEN | Sacramento. |
| JESSE D. CARR | Salinas, Monterey County. |
| J. McM. SHAFTER | San Francisco. |
| G. W. HANCOCK | Sacramento. |
| FREDERICK COX | Sacramento. |
| L. J. ROSE | San Gabriel, Los Angeles County. |
| DANA PERKINS | Rocklin. |
| E. C. SINGLETARY | San José. |
| L. U. SHIPPEE | Stockton. |
| JOHN BOGGS | Princeton, Colusa County. |
| C. M. CHASE | San Francisco. |
| H. M. La RUE | Sacramento. |

## OFFICERS OF THE BOARD.

PRESIDENT,

L. U. SHIPPEE ..... Stockton.

SECRETARY,

EDWIN F. SMITH ..... Sacramento.

TREASURER,

L. A. UPSON ..... Sacramento.

SUPERINTENDENT OF PARK,

G. W. HANCOCK ..... Sacramento.

SUPERINTENDENT OF PAVILION,

H. M. La RUE ..... Sacramento.

LIBRARY
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BOTANICAL
GARDEN

# STATE AGRICULTURAL SOCIETY.

## AN ACT

TO PROVIDE FOR THE MANAGEMENT AND CONTROL OF THE STATE AGRICULTURAL SOCIETY BY THE STATE.

[Approved April 15, 1880.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. The State Agricultural Society is hereby declared a State institution.

SEC. 2. Within ten days after the passage of this Act, the Governor shall appoint twelve resident citizens of the State, who shall, when organized, constitute a State Board of Agriculture, who shall, except as hereinafter provided, hold office for the term of four years, and until their successors are appointed and qualified. Vacancies occurring from any cause in the Board shall be filled by appointment of the Governor for the unexpired term of the office vacated.

SEC. 3. Within ten days after their appointment, the persons so appointed shall qualify, as required by the Constitution, and shall meet at the office of the State Agricultural Society, and organize by the election of one of their number as President of the Board and said society, who shall hold said office of President for the term of one year, and until his successor is elected and qualified. The Board shall also elect a Secretary and Treasurer, not of their number, who shall each hold office at the discretion of the Board.

SEC. 4. At the same meeting the members of the Board shall, by lot or otherwise, classify themselves into four classes of three members each. The term of office of the first class shall expire at the end of the first fiscal year; of the second class, of the second year; of the third class, of the third year; of the fourth class, at the end of the full term of four years. The fiscal year shall be from the first of February to the first of February.

SEC. 5. The State Board of Agriculture shall be charged with the exclusive management and control of the State Agricultural Society as a State institution; shall have possession and care of its property, and be intrusted with the direction of its entire business and financial affairs. They shall define the duties of the Secretary and Treasurer, fix their bonds and compensation, and shall have power to make all necessary changes in the Constitution and rules of the society, to adapt the same to the provisions of this Act, and to the management of the society, its meetings and exhibitions. They shall provide for an annual Fair or exhibition by the society of all the industries and industrial products of the State, at the City of Sacramento; *provided*, that in no event shall the State be liable for any premium awarded or debt created by said Board of Agriculture.

SEC. 6. The Board shall have power to appoint all necessary Marshals and police to keep order and preserve peace at the annual Fairs of the society; and the officers so appointed shall be vested with the same authority for the preservation of order and peace, on the grounds and in the buildings of the society, that executive peace officers are vested with by law.

SEC. 7. Said Board shall use all suitable means to collect and disseminate all kinds of information calculated to educate and benefit the industrial classes, develop the resources, and advance the material interests of the State, and shall, on or before the first day of February of each year, report to the Governor a full and detailed account of their transactions, statistics, and information gained, and also a full financial statement of all funds received and disbursed. They shall also make such suggestions and recommendations as experience and good policy may dictate to the improvement and advancement of the agricultural and kindred industries.

SEC. 8. The Superintendent of State Printing shall, each year, print and bind in cloth four thousand volumes of said transactions, and deliver the same to said Board of Agriculture for distribution and exchange. He shall also do such job printing as said Board may require to carry out the provisions of this Act.

SEC. 9. The Directors or Board of Managers of each county and district agricultural society or association, and of county, district, or State horticultural and stock breeding association or society, organized and acting under the laws of this State, shall report

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annually, on or before the first day of April, to the State Board of Agriculture, the name and Post Office address of each officer of such society or association; and, on or before the first day of December, shall report to the Board of Agriculture the transactions of said society, including the premiums offered, the list of stock and articles exhibited, and the premiums paid; the amount of receipts and expenditures for the year, the new industries inaugurated, and any and all facts and statistics showing the development and extent of the industries, products, and resources of the country or district embraced within the management of such society or association; *provided*, that the provisions of this Act shall not apply to any Board of Commissioners or other body organized under the laws of this State, the object of which is to promote vinicultural industries, unless such Board or body shall voluntarily request the privilege of making such reports as are called for by this Act, in which case this Board or body shall enjoy equal privileges as are accorded to other institutions devoted to agriculture.

SEC. 10. To facilitate such reports, the State Board of Agriculture shall have prepared, and shall furnish such societies with necessary schedules and blanks for such reports, and such State Board shall include such reports from societies and associations, or so much thereof as they may deem advisable, in their report to the Governor.

SEC. 11. When said State Board of Agriculture shall have been organized and classified as provided herein, the Secretary of the Board shall report such organization and classification to the Governor. He shall also report any vacancy that may occur in said Board at any time.

SEC. 12. All laws and parts of laws in conflict with this Act are hereby repealed.

SEC. 13. This Act shall take effect and be in force from and after its passage.

# CONSTITUTION

OF THE

# CALIFORNIA STATE AGRICULTURAL SOCIETY.

[Revised and adopted by the State Board of Agriculture, April 20, 1886.]

NAME.

SECTION 1. This society shall be called "The California State Agricultural Society."

OBJECT.

SEC. 2. It shall be the object of this society to encourage the cultivation of the soil, and the general development of all the agricultural resources of this State.

SEC. 3. To foster every branch of mechanical and household arts calculated to increase the comforts of home life.

SEC. 4. To extend and facilitate the various branches of mining and mining interest.

MEMBERSHIP.

SEC. 5. *Annual Members.*—Any person who shall pay into the funds of this society the sum of five dollars, may become a member of the same; such membership to expire at the end of the current fiscal year.

SEC. 6. *Life Members.*—Any person may become a member for life by the payment of fifty dollars; or, if already a member, by the payment of forty-five dollars, or by serving a full term as a member of the State Board of Agriculture, and shall thereafter be exempt from all dues and assessments.

SEC. 7. *Honorary and Corresponding Members.*—Any person whom the Board shall propose may be elected an honorary or corresponding member, and shall enjoy, free of charge, all the privileges of the society, except voting and holding office.

SEC. 8. *Privileges of Members.*—Any citizen of this State, being a life member of this society, shall be furnished with a personal badge for his separate use, which shall entitle him to admission to all the exhibitions of the society, the quarter-stretch, the Grand Stand at Park, during his lifetime, and a separate ticket for the use of his wife and minor children only, which will entitle them to admission to all the exhibitions of the society, each day, as follows: a coupon for the Park (morning), a coupon for the Park (afternoon), a coupon for Pavilion afternoon and evening, and shall be permitted to compete for premiums in any and all departments.

Annual members will be furnished with a ticket that will entitle him, accompanied by a lady, and one child under fifteen years of age, or, if purchased in the name of a lady, will admit the owner and lady, and one child under fifteen years of age, twice daily at Park and Pavilion, and permission to compete for premiums in any and all departments.

SEC. 9. *Expulsion of Members.*—Any member who shall present for exhibition any article or animal which he is not entitled by the rules of the society to exhibit, or who shall attempt to deceive, or be guilty of a breach of good faith toward the society, may be expelled by a vote of two thirds of the members present at any meeting of the Board; *provided*, always, that no member shall be expelled unless written notice of the alleged offense shall have been served on him, or left at his usual place of residence at least twenty days previous to the action.

OFFICERS.

SEC. 10. The officers of this society shall consist of twelve Directors, to be appointed by the Governor, who shall constitute a State Board of Agriculture, seven of whom shall constitute a quorum. The Board shall be charged with the exclusive management and control of the State Agricultural Society as a State institution; shall have possession and care of its property, and be intrusted with the direction of its entire business and financial affairs; shall have power to make all necessary changes in the Constitution and rules of the society; shall provide for an annual Fair or exhibition by the society of all the industries and industrial products of the State, at the City of Sacramento, and such other exhibition as they may deem important. They shall elect one of their members as President of the Board and society, and a Treasurer and Secretary, not members of the Board. They may also appoint, annually, as officers of the Board, a chemist, a botanist, a mineralogist, a geologist, a metallurgist, an ornithologist, and an entomologist, and define the

duties of each. They may appoint such committees on the various departments of agriculture, mining, and manufactures, either generally or for specific purposes, as they may deem important for the best interests of the State, and require such committees to report the results of their investigations to the Board at such times as may be named by them.

SEC. 11. *Duties of President.*—The President shall preside at all meetings of the Board and of the society; shall have power to call special meetings of the Board when necessary, and at the written request of ten members may call extra meetings of the society; shall appoint all meetings not otherwise provided for; and shall sign all financial and official documents emanating from the society, and not otherwise provided for. In the absence of the President from any meeting of the Board or society, any Director may be called to the chair, and, during such meeting, and for the completion of any business transacted, or ordered at the same, shall have the same powers as the President.

SEC. 12. *Duties of Secretary.*—The Secretary shall conduct the correspondence of the Board or society, keeping copies of all important letters written in the name or on behalf of the Board or society, holding the same free to the inspection of any member of the Board or society, at any regular meeting of the same. He shall also receive and file all letters addressed to the Board or society, holding the same subject to the Board of Directors. He shall attend all meetings of the society and the Board, keeping a full record of the proceedings of each in a book for that purpose. He shall prepare and publish all notices of meetings, shall keep a roll of standing committees, and call the same (noticing absences) whenever desired to do so by the Chair; shall sign all certificates for honorary and corresponding and life memberships, and forward the same to those entitled to receive them. He shall keep, in a book prepared for that purpose, the name and address of every member; shall prepare and sign all gratuitous or complimentary cards or tickets of admission; shall countersign all diplomas, certificates of merit, etc., awarded by the Board, and forward the same to their respective claimants. He shall be ex officio Librarian; shall keep the seal and all the plates, dies, engravings, etc., belonging to the society, and shall cause to be struck therefrom such medals and impressions as may, from time to time, be required. He shall have charge of all specimens, models, plants, seeds, books, etc., and arrange, prepare, or distribute the same under the direction of the Board. He shall prepare all reports to be made by the Board to the society, and to the State. He shall receive all moneys due or payable to the society, and pay the same to the Treasurer, taking his receipt therefor; shall hold all bonds filed by officers of the society, for the faithful performance of their duty, and all vouchers for every class of expenditure. He shall countersign all drafts ordered by the Board, and all certificates of annual and life membership, and keep an account of the same in a book as they are issued, and shall, in December of each year, prepare a tabular statement of the receipts and expenditures of the Board according to the law organizing the same.

SEC. 13. *Duties of the Treasurer.*—The Treasurer shall receipt for all funds at the hands of the Secretary, and shall disburse the same only on the order of the Board, attested by the President and the Secretary. He shall also hold in trust all certificates of stock, and shall transfer, invest, or dispose of the same only by direction of the Board. He shall file with the Secretary a bond for the faithful performance of his duties, said bond to be approved by the Board, and shall, at the annual meeting, make to the society a detailed report of all his transactions.

STANDING COMMITTEES.

SEC. 14. *Committee of Finance.*—The Committee of Finance shall consist of five members of the Board, the President being one, whose duty it shall be to audit the Secretary's and Treasurer's accounts, to examine and approve all bills before they are paid, to have general supervision of the finances of the society, and to report their transactions and financial condition of the society in full to the Board whenever called on so to do.

SEC. 15. *Library Committee.*—The Library Committee shall consist of four members of the Board, and the Secretary, whose duty it shall be to have the general supervision of the library and cabinet, and make all necessary rules and regulations for the government of the same (said rules and regulations being subject to the approval of the Board), to suggest such means for the safe-keeping and enlargement of both the library and cabinet as they may deem expedient, and to make a full report of their transactions, together with the state of the department under their charge, at each annual meeting.

SEC. 16. *Visiting Committee.*—The Visiting Committee, to be appointed by the Board, from their own number, shall visit and examine all farms, orchards, vineyards, nurseries, field crops, irrigating works, agricultural machine works, agricultural machinery in operation, etc., which may be entered for competition, and which require examination at other times and places than the annual Fair; to award premiums for the same according to the schedule, and recommend such gratuities as they may deem proper, and make a full report to the Board at least one day previous to the annual Fair.

SEC. 17. *Printing and Publication Committee.*—The Committee on Printing and Publication shall consist of five (the President and Secretary being two), whose duty it shall be to contract for and superintend, under the direction of the Board, all printing and publishing necessary for the society.

OFFICE AND ROOMS.

SEC. 18. The office, rooms, library, and cabinet of the Board and society shall be permanently located at the Capital of the State.

# LAWS RELATING TO DISTRICT AGRICULTURAL ASSOCIATIONS.

## AN ACT

TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE.

[Approved April 15, 1880.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. The Counties of Alameda, Contra Costa, and San Francisco shall constitute Agricultural District No. 1.

SEC. 2. The Counties of San Joaquin, Calaveras, Fresno, Kern, Merced, Mariposa, Stanislaus, Tulare, and Tuolumne shall constitute Agricultural District No. 2.

SEC. 3. The Counties of Sutter, Yuba, Butte, Colusa, Tehama, Yolo, and Sacramento shall constitute Agricultural District No. 3.

SEC. 4. The Counties of Sonoma, Marin, Solano, Napa, and Lake shall constitute Agricultural District No. 4.

SEC. 5. The Counties of Santa Clara and San Mateo shall constitute Agricultural District No. 5.

SEC. 6. The Counties of Los Angeles, San Diego, San Bernardino, Santa Barbara, Ventura, and Inyo shall constitute Agricultural District No. 6.

SEC. 7. The Counties of Monterey, Santa Cruz, San Luis Obispo, and San Benito shall constitute Agricultural District No. 7.

SEC. 8. The Counties of Nevada, Placer, El Dorado, Amador, Alpine, and Mono shall constitute Agricultural District No. 8.

SEC. 9. The Counties of Mendocino, Humboldt, and Del Norte shall constitute Agricultural District No. 9.

SEC. 10. The Counties of Siskiyou, Trinity, and Shasta shall constitute Agricultural District No. 10.

SEC. 11. The Counties of Plumas, Lassen, Modoc, and Sierra shall constitute Agricultural District No. 11.

SEC. 12. Any fifty or more persons representing a majority of the counties within any one of the districts above constituted, may form an association for the improvement of the material industries within such district, and when so formed the association shall be known and designated by the name of —— Agricultural Association, and by such name and style shall have perpetual succession, and shall have power and authority to contract and be contracted with, to sue and be sued, to have and use a common seal, to purchase and hold and lease real estate, with such buildings and improvements as may be erected thereon, and may sell and lease and dispose of the same at pleasure. The said real estate shall be used by such association for the purpose of holding exhibitions of horses, cattle, and other stock, of the agricultural, horticultural, viticultural, mechanical, manufacturing, and domestic products of such district, with view to the improvement of all the industries in the same.

SEC. 13. The officers of such association shall consist of eight Directors, who shall constitute a District Board of Agriculture for District Number ——, a President, who shall be one of their number, and a Secretary and Treasurer, not of their number.

SEC. 14. Within ten days after the formation of an agricultural association within any of the districts above constituted, in accordance with the provisions of this Act, and notice of such formation to the Governor, the Governor shall appoint eight resident citizens of such district as members of a District Board of Agriculture for said district, whose term of office shall be four years, except as hereinafter provided.

SEC. 15. Within ten days after their appointment, the persons so appointed shall qualify, as required by the Constitution, and shall meet at a place within the district, and organize by the election of one of their number President of the Board and association, who shall hold said office of President one year, and until his successor is elected; they shall also elect a Secretary and Treasurer.

SEC. 16. At the same meeting the members of the Board shall, by lot or otherwise, classify themselves into four classes of two members each. The terms of office of the first class shall expire at the end of the first fiscal year; of the second class, of the second fiscal year; of the third class, of the third fiscal year; and of the fourth class, at the end

of the full term of four years. The fiscal year shall be from December first to December first.

SEC. 17. Each association so formed and organized is hereby declared and shall be recognized a State institution, and the Board so appointed and qualified shall have the exclusive control and management of such institution for and in the name of the State, and shall have the possession and care of all the property of the association, and shall fix the terms of office, and the bonds of the Secretary and Treasurer, and determine their salaries and duties. They shall have power to make all necessary by-laws, rules, and regulations for the government of the association and the management of its prudential and financial affairs. They shall provide for an annual Fair or exhibition by the association of all the industries and industrial products in the district, at such time and place as they deem advisable; *provided*, that no District Fair shall be held in any of the districts at the same time of the State Fair; *and provided further*, that the State shall in no event be liable for any premium offered, or award, or for any debt contracted by any District Board of Agriculture or Agricultural Association.

SEC. 18. When any District Board of Agriculture shall have been classified and organized as herein provided, the Secretary of the Board shall report such classification and organization to the State Board of Agriculture; he shall also report the same to the Governor, and shall report any vacancy that may occur in the Board to the Governor, who shall fill the same by appointment for the unexpired term.

SEC. 19. All laws and parts of laws in conflict with this Act are hereby repealed.

SEC. 20. This Act shall take effect from and after its passage.

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## AN ACT

TO AMEND SECTIONS THREE, FOUR, NINE, AND ELEVEN OF AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE," APPROVED APRIL 15, 1880, SO AS TO CREATE TWO ADDITIONAL DISTRICTS.

[Approved March 6, 1883.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. Section three of the Act of which this is amendatory, entitled an Act to form agricultural districts, to provide for the organization of agricultural associations therein, and for the management and control of the same by the State, approved April fifteenth, eighteen hundred and eighty, is amended to read as follows:

Section 3. The Counties of Butte, Colusa, and Tehama shall constitute Agricultural District Number Three.

SEC. 2. Section four of said Act is amended to read as follows:

Section 4. The Counties of Sonoma, Marin, Solano, and Napa shall constitute Agricultural District Number Four.

SEC. 3. Section nine of said Act is amended to read as follows:

Section 9. The Counties of Humboldt and Del Norte shall constitute Agricultural District Number Nine.

SEC. 4. Section eleven of said Act is amended so as to read as follows:

Section 11. The Counties of Plumas, Lassen, Modoc, and Sierra shall constitute Agricultural District Number Eleven. The Counties of Mendocino and Lake shall constitute Agricultural District Number Twelve; and the Counties of Sacramento, Yolo, Yuba, and Sutter shall constitute Agricultural District Number Thirteen.

SEC. 5. This Act shall take effect immediately.

## AN ACT

TO AMEND AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE," APPROVED APRIL 15, 1880.

[Approved March 9, 1885.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. Section eighteen of said Act is hereby amended so as to read as follows:

Section 18. When any District Board of Agriculture shall have been classified and organized as herein provided, the Secretary of the Board shall report such classification and organization to the State Board of Agriculture. He shall also report the same to the Governor, and shall report any vacancy that may occur in the Board to the Governor, who shall fill the same by appointment for the unexpired term. The Governor shall have the power and authority to remove a Director at any time for good and sufficient cause, and to appoint a Director to fill the vacancy.

SEC. 2. This Act shall take effect immediately.

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## AN ACT

TO AMEND SECTION EIGHT OF AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE," APPROVED APRIL 15, 1880.

[Approved March 14, 1885.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. Section eight of the Act recited in the title hereto is amended so as to read as follows:

Section 8. The Counties of Nevada and Placer shall constitute Agricultural District Number Seventeen; and the Counties of Alpine, Amador, El Dorado, and Mono shall constitute Agricultural District Number Eight. And the sum of three thousand dollars is hereby appropriated out of any money in the State Treasury not otherwise appropriated, for the aid of District Agricultural Society Number Seventeen, to be audited and paid the same as appropriations for other district agricultural societies.

SEC. 2. This Act shall take effect immediately.

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## AN ACT

TO AMEND SECTIONS TWO, FOUR, SIX, SEVEN, AND EIGHT OF AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE," APPROVED APRIL 15, 1880, SO AS TO CREATE CERTAIN ADDITIONAL DISTRICTS.

[Approved March 9, 1887.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

SECTION 1. Sections two, four, six, seven, and eight of an Act entitled "An Act to form agricultural districts, to provide for the organization of agricultural associations therein, and for the management and control of the same by the State," approved April fifteenth, eighteen hundred and eighty, is hereby amended so as to read as follows:

Section 2. The Counties of San Joaquin, Merced, Stanislaus, and Tuolumne shall constitute Agricultural District Number Two; the Counties of Tulare and Kern shall constitute Agricultural District Number Fifteen; the Counties of Merced, Mariposa, and Fresno shall constitute Agricultural District Number Twenty-one.

Section 4. The Counties of Sonoma and Marin shall constitute Agricultural District Number Four; and the Counties of Solano and Napa shall constitute Agricultural District Number Twenty-five; the Counties of Los Angeles, San Bernardino, and Ventura shall constitute Agricultural District Number Six, and the County of Santa Barbara shall constitute Agricultural District Number Nineteen.

Section 7. The Counties of Monterey and San Benito shall constitute Agricultural District Number Seven; the County of Santa Cruz shall constitute Agricultural District Number Fourteen; the County of San Luis Obispo shall constitute Agricultural District Number Sixteen.

Section 8. The Counties of Nevada and Placer shall constitute Agricultural District Number Seventeen; and the County of El Dorado shall constitute Agricultural District Number Eight; the Counties of Alpine, Inyo, and Mono shall constitute Agricultural District Number Eighteen; the Counties of Amador and Calaveras shall constitute Agricultural District Number Twenty-six.

Sec. 2. This Act shall take effect immediately.

Sec. 3. All Acts and parts of Acts in conflict with this Act are hereby repealed.

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## AN ACT

TO AMEND SECTION ONE, TO REPEAL SECTIONS TWO, THREE, FOUR, FIVE, SIX, SEVEN, EIGHT, NINE, TEN, AND ELEVEN, AND TO RENUMBER SECTIONS TWELVE, THIRTEEN, FOURTEEN, FIFTEEN, SIXTEEN, SEVENTEEN, EIGHTEEN, AND NINETEEN OF AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE ORGANIZATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME," APPROVED APRIL 15, 1880, AMENDED MARCH 6, 1883, AMENDED MARCH 9, 1885, AMENDED MARCH 14, 1885, AMENDED MARCH 9, 1887, TO REPEAL ALL LAWS AMENDATORY THEREOF, AND TO PROVIDE FOR THE REORGANIZATION OF EXISTING DISTRICTS AND THE FORMATION OF NEW DISTRICTS.

[Approved March 6, 1889.]

*The People of the State of California, represented in Senate and Assembly, do enact as follows:*

Section 1. Section one of said Act is hereby amended so as to read as follows:

Section 1. The several counties of this State divided and classified into agricultural districts and numbered as follows, to wit: The Counties of San Francisco and Alameda shall constitute Agricultural District No. 1. The Counties of San Joaquin and Stanislaus shall constitute Agricultural District No. 2. The Counties of Butte, Tehama, and Colusa shall constitute Agricultural District No. 3. The Counties of Sonoma and Marin shall constitute Agricultural District No. 4. The Counties of San Mateo and Santa Clara shall constitute Agricultural District No. 5. The Counties of Los Angeles and Ventura shall constitute Agricultural District No. 6. The Counties of Monterey and San Benito shall constitute Agricultural District No. 7. The County of El Dorado shall constitute Agricultural District No. 8. The Counties of Del Norte and Humboldt shall constitute Agricultural District No. 9. The Counties of Siskiyou and Trinity shall constitute Agricultural District No. 10. The Counties of Plumas, Sierra, Lassen, and Modoc shall constitute Agricultural District No. 11. The Counties of Lake and Mendocino shall constitute Agricultural District No. 12. The Counties of Sutter, Yolo, and Yuba shall constitute Agricultural District No. 13. The County of Santa Cruz, save and except that part thereof southeast of the line beginning at a point where the Aptos Creek empties into the Bay of Monterey and extending directly northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 14. The Counties of Tulare and Kern shall constitute Agricultural District No. 15. The County of San Luis Obispo shall constitute Agricultural District No. 16. The County of Nevada shall constitute Agricultural District No. 17. The Counties of Alpine, Mono, and Inyo shall constitute Agricultural District No. 18. The County of Santa Barbara shall constitute Agricultural District No. 19. The County of Placer shall constitute Agricultural District No. 20. The Counties of Merced, Mariposa, and Fresno shall constitute Agricultural District No. 21. The County of San Diego shall constitute Agricultural District No. 22. The County of Contra Costa shall constitute Agricultural District No. 23. All that part of Santa Cruz County southeast of a line beginning at a point where the Aptos Creek empties into the Bay of Monterey, and

extending in a direct line northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 24. The Counties of Solano and Napa shall constitute Agricultural District No. 25. The Counties of Sacramento and Amador shall constitute Agricultural District No. 26. The County of Shasta shall constitute Agricultural District No. 27. The County of San Bernardino shall constitute Agricultural District No. 28. The Counties of Calaveras and Tuolumne shall constitute Agricultural District No. 29.

SEC. 2. Sections two, three, four, five, six, seven, eight, nine, ten, and eleven of said Act are hereby repealed.

SEC. 3. Sections twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, and twenty are hereby renumbered as follows, respectively, to wit: Section twelve is hereby numbered two, section thirteen is hereby numbered three, section fourteen is hereby numbered four, section fifteen is hereby numbered five, section sixteen is hereby numbered six, section seventeen is hereby numbered seven, section eighteen is hereby numbered eight, section nineteen is hereby numbered nine, and section twenty is hereby numbered ten.

SEC. 4. All laws amendatory of "An Act to form agricultural districts, to provide for the organization of agricultural associations therein, and for the management and control of the same," approved April fifteenth, eighteen hundred and eighty, and all laws or parts of laws in conflict with this Act are hereby repealed.

SEC. 5. This Act shall take effect and be in force from and after its passage.

# AGRICULTURAL DISTRICTS

ORGANIZED UNDER AN ACT APPROVED APRIL 15, 1880, AND AMENDED MARCH 6, 1883; MARCH 14, 1885; MARCH 9, 1887; MARCH 6, 1889.

No. 1. The Counties of San Francisco and Alameda shall constitute Agricultural District No. 1.

No. 2. The Counties of San Joaquin and Stanislaus shall constitute Agricultural District No. 2.

No. 3. The Counties of Butte, Tehama, and Colusa shall constitute Agricultural District No. 3.

No. 4. The Counties of Sonoma and Marin shall constitute Agricultural District No. 4.

No. 5. The Counties of San Mateo and Santa Clara shall constitute Agricultural District No. 5.

No. 6. The Counties of Los Angeles and Ventura shall constitute Agricultural District No. 6.

No. 7. The Counties of Monterey and San Benito shall constitute Agricultural District No. 7.

No. 8. The County of El Dorado shall constitute Agricultural District No. 8.

No. 9. The Counties of Del Norte and Humboldt shall constitute Agricultural District No. 9.

No. 10. The Counties of Siskiyou and Trinity shall constitute Agricultural District No. 10.

No. 11. The Counties of Plumas, Sierra, Lassen, and Modoc shall constitute Agricultural District No. 11.

No. 12. The Counties of Lake and Mendocino shall constitute Agricultural District No. 12.

No. 13. The Counties of Sutter, Yolo, and Yuba shall constitute Agricultural District No. 13.

No. 14. The County of Santa Cruz, save and except that part thereof southeast of the line beginning at a point where the Aptos Creek empties into the Bay of Monterey and extending directly northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 14.

No. 15. The Counties of Tulare and Kern shall constitute Agricultural District No. 15.

No. 16. The County of San Luis Obispo shall constitute Agricultural District No. 16.

No. 17. The County of Nevada shall constitute Agricultural District No. 17.

No. 18. The Counties of Alpine, Mono, and Inyo shall constitute Agricultural District No. 18.

No. 19. The County of Santa Barbara shall constitute Agricultural District No. 19.

No. 20. The County of Placer shall constitute Agricultural District No. 20.

No. 21. The Counties of Merced, Mariposa, and Fresno shall constitute Agricultural District No. 21.

No. 22. The County of San Diego shall constitute Agricultural District No. 22.

No. 23. The County of Contra Costa shall constitute Agricultural District No. 23.

No. 24. All that part of Santa Cruz County southeast of a line beginning at a point where the Aptos Creek empties into the Bay of Monterey, and extending in a direct line northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 24.

No. 25. The Counties of Solano and Napa shall constitute Agricultural District No. 25.

No. 26. The Counties of Sacramento and Amador shall constitute Agricultural District No. 26.

No. 27. The County of Shasta shall constitute Agricultural District No. 27.

No. 28. The County of San Bernardino shall constitute Agricultural District No. 28.

No. 29. The Counties of Calaveras and Tuolumne shall constitute Agricultural District No. 29.

# REPORT.

OFFICE OF THE STATE BOARD OF AGRICULTURE,
SACRAMENTO, February 1, 1889.

*His Excellency* R. W. WATERMAN, *Governor of California:*

SIR: The closing of our fiscal year on this date makes it incumbent upon us to present a review of our transactions for the term. Herewith is handed the usual statistical matter, together with many other items of interest pertaining to the welfare of the State, as well as our complete financial statement. The reports of the District Agricultural Associations accompany, and form a part of this volume.

The closing of the thirty-fifth year of our existence as a society that was formed to aid and encourage agriculture and mechanical arts, and the improvement of all breeds of live stock, at a period when California was in great need of an organized and coöperative policy on the part of those who had the forethought to inaugurate the encouragement of these industries, that their followers might be benefited and the State put upon a more substantial footing, reminds us that their anticipations were right, and that they labored not in vain.

The year just past has been one of unusual prosperity to our State; in short, the tillers of the soil have had an abundant harvest, and it is safe to say that when this character of success comes among our community, the results in all walks of life are gratifying.

The products of the soil that are here reaped in abundance insures us the prosperity we have. The opportunities and advantages offered to the industrious leave but little chance for failure to those who are attentive and energetic. In no other country are the people favored with climate, soil, and markets as are those of California.

In all occupations contentment reigns supreme, so much so that we are often charged with egotism and exaggeration, whereas they are but the expression of a happy people, and those who come among us and stand shoulder to shoulder in our achievements readily become converts, and are even more enthusiastic than many of the older settlers of this prolific commonwealth.

## THE VALUE OF ANNUAL EXHIBITIONS.

The vast increase of interest taken each year in the annual exhibitions given by this Board is a sure indication that our pioneers "builded better than they knew." Each season brings renewed vigor, successful experiments, extended facilities, abundance of products, an unusual number of visitors from abroad, and oceans of applications for information regarding our State. In years past it required all our energy to induce exhibits, and all our tact to attract home seekers. The result of this tenacity to make ourselves known has attracted strangers from all parts of the civilized world.

These alluring reports have received the indorsement of the new-comers, and resulted in our success, so that praises sung have had the desired

effect, and we are no longer looked upon as a distant land where the wanderer went to seek pastures anew, but are known in all lands and climes as the land of prosperity and plenty.

The results are made manifest in the large increase of small homes and the cutting up of large tracts of land for this purpose. It is shown by the increased inquiries by new-comers for suitable locations, and by increased shipment of products, that were heretofore little known outside of our own border.

At our annual exhibitions new faces are seen, and the exhilarating effect upon the stranger is noticeable at once; as in the days of old, the gold fever was contagious, so now the land fever, the fruit fever, and the home fever have been spread instead, until the procession of new-comers to this State has taxed the facilities of the transportation companies far in excess of their ordinary capacity to accommodate the travelers.

Our aim each year is to so arrange the exhibition that it shall illustrate to the best advantage the various productive resources of the entire State; our constant study is to most thoroughly inform all by actual observation of the great agricultural capabilities of our soil, the yield of our shops, mines, mills, and forges, to the end that the hesitating settler will be overcome by the facts shown, cast aside all prejudices, and become one of us.

Our extensive pavilion was heretofore looked upon as one out of all proportion, and of greater capacity than was needed, which premonition was predicated upon experience of years past, when the few producers of the State were only induced to exhibit their products by the personal solicitation of the workers that managed the institution. The responses given to these appeals were generally that the growers could sell all their products at their doors, and the vast tracts of land uncultivated were needed for grazing. But, the almost superhuman efforts of the energetic citizens having the management of these exhibitions in hand, has resulted as was best shown by the display made in this great building during the Fair of 1888, when we were overcrowded for space; and had the counties that engaged space not cut down their exhibits, nothing but the products of the soil would have covered the one hundred and twenty-four thousand square feet of floor space. As it was, the display of agricultural, horticultural, viticultural, and mechanical products were never before equaled in this or any other State.

Many of our agricultural implements are unknown outside of this State. Our combined harvesters, that cut, thrash, and sack at one operation the products of our vast grain fields, thereby enabling the farmer to market his yield of grain, if needs be, you might say the day of ripening, illustrates the spirit that predominates in our wide awake California farmer.

### THE PROPOSED FOREIGN EXHIBIT.

As has been shown what our efforts are at home in making exhibitions of products a successful stimulant to the growth of our State, the same principle, if properly carried out in foreign lands, would, in our opinion, have the same effect. As the producer was encouraged to produce, he must now produce to encourage and build up markets for the large increase of products. The more products, the more market capacity needed; the more market capacity, the more products. Therefore we believe in every stimulation of a practical nature that will afford increased opportunities to market supplies. We have always advocated object lessons that fully illustrate, by the actual exhibition of products, as more

preferable than printed matter of any character. "To see is to believe," to read is but to think.

An exhibit of California's products in the City of London will awaken a new source of demand that can certainly be met by the abundant supply that is bound to come from our increased acreage each year cultivated, and an interest in the "Old World" that will attract capital for investment not only in the establishment of small homes, but factories of all kinds. The success of one, means a sympathetic movement in all branches of trade; therefore all should be interested in spending the money necessary to make the trial a success.

The advantages offered in making such exhibits are many. A significant index of a future conflict (indeed a present one too) between a higher civilization and despotism, may be readily disarmed in this evolution, and their actions and reactions, in the ownership of land. Whenever direct ownership and indirect ownership come in conflict the latter invariably yields to the former. So true is it that thousands of vessels of bread stuff and meats are regularly sent to Europe from the United States and meet in successful competition similar products of the world which are produced on lands tilled by indirect ownership, and that too in the face of cheap peasant labor. It is highly important that we of California should understand this matter thoroughly, for by so doing we may avail ourselves of advantages greatly to our interest. Great as the advantage is in being able, through the direct ownership of land, to compete in the European markets in breadstuffs and meat, the yet greater achievement presents itself to the growers of California in their ability to compete successfully in the costly products of the vine and fruit tree.

That this can be done may be readily admitted, and if proof is necessary we need only examine the Custom House records for the past few years; two hundred and ten thousand cases of California canned fruits were sold in London in one season. This amount, although seemingly large, is not by any means all that might be sold, provided proper attention is given to the subject; it is only an indication that we can, if we choose, open out avenues that will readily create a demand for all we can produce, and that too at profitable prices. If accomplished, then the inevitable result must be to place California in the front rank of the States of this Union, and that with giant strides. We maintain there is a way to accomplish this, and that way is to carry out the plan proposed of holding this grand exhibition of the products of our soil. The men of action, the men of capital and energy, throughout the State, are of one opinion on this subject, they earnestly favor and indorse this plan; more than that, they desire to see it carried out on a scale at once grand and impressive.

In America the tiller inherits directly the results of his labor. He is careful as to details; his expenses are kept within limit. In short, he gives personal attention to receipts and disbursements, and profits by experience. Whereas, the entailment of large estates in the Old World, under the management of inexperienced men, which, with their inattention to production, results in the consuming by expenses of what would be to our people a profit, nothing but the cheap labor of Europe prevents in the former cases entire failures. So, when competition strikes, they have no way of reducing their extravagant ideas and customs, consequently no reduction of prices can be made; whereas our products, if properly marketed, can be sent over and undersell the home productions, for the reasons assigned.

To educate the people, then, up to this fact, our products must go over in a blaze of glory, as it were. We must do something to attract the

attention of the consumers. We must in so doing prepare our exhibits as to command attention from both press and public. Nor must this be all. The quality of our products sent this far from home must be such that they speak for themselves. Care and attention in packing must be such as to leave no room for doubt that we fully understand our undertaking. It must be fully shown that we come not for a day, but for all time. To send our fruit, poorly canned or dried, means failure. To be sure the methods of the Old World in preserving fruits are ahead of ours, as a rule. To profit by their experience in this industry we must have the opportunity to observe and examine into their methods. Would it not be advisable to have the individual counties that contemplate sending an exhibit on, to each send a Commissioner, selected with a view of gaining knowledge on this subject that would benefit us in future in the packing and preserving of our fruits? As it now is, the producer markets his products in the eastern cities in a green state. Could he not do the same in Europe in their canned and dried state? Say that our goods are properly put up, and the auction plan introduced, how much longer would it take the producer to get returns than it now does on his green fruit? The situation is in his hands; let him not ignore it. Let us profit by the experience of other countries, and let that experience be gained by actual observation.

Take as an example our own exhibition. The farmer attends, observes the different breeds of live stock, he is mindful of the fact that when numerous breeds are together congregated he can best make selection. The particular fancy of a character he admires meets his eye, he purchases with a view of improving his own stock, he is aware that the expense of breeding and raising good stock is no greater than to raise inferior ones, and he profits by his purchase. The seller is encouraged, as he himself began this way, and the result is the taxable property of the State is enhanced, and the $10, $20, or $50 in premiums awarded has been returned many fold. So it will be in the enterprise suggested in making foreign exhibits, and our returns are sure to more than offset the outlay.

## FRUIT GROWING AND SHIPPING.

The advancement in this industry during the year past has been most prodigious. The yield from increased acreage, that is now beginning to bear, shows to what extent tree-planting has been in the past few years.

The demand has kept up for our green fruits, and there is a very perceptible increase of canneries and driers.

The plan adopted by the organization of the California Fruit Union in the handling of fruit is, to our mind, a most acceptable one. It is a corporation composed of growers, for the shipping and sale of their products in the East. They have a total stock issue of twelve thousand six hundred and fifty-eight shares, held by four hundred and ninety-nine individuals, scattered through twenty-seven counties. Many, in fact the greater portion, have taken stock for only one quarter their acreage, so as each share represents one acre of land, they handle in reality the products of fifty thousand acres of land set to fruit in this State. So there is little wonder that much competition exists in the Eastern States for the agency of the Union. This fact enables the Union to be very careful in selection and exacting in requirements of those desiring to represent the organization.

In financial affairs the Union has been quite prosperous. They have received during the year from agents some $20,000 commissions, and have paid out in expenses about $9,000, leaving a balance on hand of about

$11,000. As the organization is preëminently a coöperative one, this surplus, instead of swelling the bank account of any corporation or private individual, is returned to the members themselves, after 6 per cent is declared on the stock and 2 per cent reserve is set aside; the residue is divided among those who have shipped with them, in proportion to the amount so shipped by each one. This will amount to a trifle over 1 per cent on the gross sales this season, or will be in reality a return of 1 per cent of the amount of commission charged for handling the product.

In the amount given above for expenses, is included salaries, traveling expenses of their eastern manager, who makes Chicago headquarters during the summer, and has general supervision of all agents, advertising, and business of the Union. The telephone and telegraphing of this organization amounts to about $3,000 per annum, not a cent of which is charged to members.

The Union charged last season a uniform 10 per cent for handling the fruit; of this the agents received 7½ per cent (out of which is paid auctioneer 2½ per cent at points when auction method of selling is pursued), and the remaining 2½ per cent was returned by the agents to the proper officers of the Union.

Had those who shipped through the Union sent their fruit east on their own account, they would have necessarily paid 10 per cent, just the same, and would in addition have been compelled to pay their own telegraphing, which item often runs $10 to the car.

It is the intent of the Union in handling the great fruit output of the State to charge a lower commission for the coming year; how low, they are unable to say, but in all probability not to exceed 8 per cent.

The establishing of the auction method of selling our green and perishable products is one of the very best plans yet inaugurated. This plan will lessen the charges and quicken the returns of all fruit handled. This is the principal method used in selling our products in Chicago, which is the chief market so far, although the prospects are good for both New York and Boston, which, with London for our dried and canned fruits, will soon overcome the cry of over production. It is only two years since we made any attempt of selling our fruits at auction in New York and Boston, and the result far exceeded the expectations of the many.

Chicago receives about one half of our fruit product, and this plan of sale enables the buyers from all places adjacent to receive their fresh supply of California fruit without the intervention of the middle man, who profits to the injury of the producer, as by the time, under the old system, our fruit reached the consumer, the price asked was almost prohibitory, so much so that but a small proportion of the people were able to avail themselves of this commodity, thereby lessening the demand to the detriment of the producer. Now, the producer, through the Union, may sell almost direct to the consumer, and be interested in all the profits that accrue.

Our early peaches, apricots, and grapes never sold better than under this system, nor did they arrive at consumers' hands in such good condition. This last season much of the table grape crop was so badly injured before picking, by the excessive heat of July and August, as to render it unfit for shipment. But for this unusual heated term we would have made greater shipments than any previous year. As it was our grapes carried in poorer condition than for years past, and of course sold correspondingly low, and so will bring down the average net for all fruits very materially.

The shipment of carload lots of green deciduous fruit to the Eastern States during the year of 1888, was about nineteen hundred; of this number the Fruit Union, or in other words, the fruit growers, shipped themselves eight hundred and fifty, a gain of ninety carloads over the preceding year. Had grapes carried well, and as all had a reason to believe they would from previous years' experience, the Union would have started one hundred cars more.

The special train service furnished by the transportation companies was excellent in every respect. In point of fact, the time made by the special fruit trains was even better than the passenger train shipments, as these trains were rarely behind time.

This year's experience serves to show that shipment of fruit should not be made in any other way, as delays are often occasioned upon other trains, whereas the special fruit trains have but one object in view, that is to get its load to its destination at the earliest moment possible. This eight to ten days on the road by the old freight train service will not do for this progressive age and increased demand for California fruit.

As shipments increase further reductions will, no doubt, be made in freight rates, when our shippers will be in better condition to compete with our eastern fellow workers in years when, as in the one just closed, they have full crops and can afford to sell their peaches and grapes at 1½ cents per pound, as they did largely the past year. To make our fruit industry fairly prosperous we must now receive 5 cents per pound for the fruit in a wholesale way.

The transportation companies have been taxed to their utmost capacity to provide suitable cars for the handling of our fruit crop in the past. With the thousands of new acres which every year are sending in their quota, the problem is one which the railroad companies only can solve by the most untiring efforts in building new cars.

As an illustration of how various portions of the State are coming into prominence as fruit-producing sections, one has but to glance at the table of shipments showing receipt and distribution of the fruit shipped East for the past season. Instead of a great majority coming from one or two points we now have many places shipping, and the increase has not come from the old established centers, such as Davisville, Natoma, San José, Vacaville, etc., as, with the exception of Sacramento, they are behind the record of 1887, and the increase in the number of cars sent from Sacramento is largely due to an increase of small shipments made from all points there, to be made up in carload lots. We notice on the list many new places as coming into prominence as fruit-shipping points, such as Newcastle, Colfax, Santa Rosa, Cordelia, and Mayhews.

Boston and New York have this year taken, at unusually good prices, all the fruit sent there. The Union alone has put one hundred and thirty-three cars into these two cities, and others have, without doubt, shipped as many more, say in all two hundred and seventy-five carloads, where two years ago fifteen carloads at the best were dispatched to them. This proportion of increase and consumption is certainly very gratifying to those who argue on the negative side of over production.

The total shipment of green fruit from the State during the past season will exceed that of 1887 by about one hundred and twenty-five carloads. Many more would have been shipped, as the fruit was here, but the certainty of a large crop of domestic fruit East, and our inadequate facilities for handling, together with chances of failure as to condition, and the fact that unless the fruit was *fancy* the price would be low, prevented a larger increase of shipments.

More fruit was, in consequence, dried and canned. Heretofore prices for this character of fruit have been low, but from later advices we believe better prices will prevail, and a corresponding increase in shipments will result.

From the Mississippi River eastward they have not experienced up to January, so mild and pleasant a winter for years, a fact which enabled shipments of green fruit, such as apples, etc., to be made in barrels long after it had been customary, and also created a desire for fresh fruit which is not natural when the thermometer is down below zero and the snow many feet deep; consequently, there has not been the call for dried fruits we usually have and expect during the early winter months. But now the green supply has about ceased, and we expect to soon see an upward tendency in dried fruit prices.

Those who grow wine grapes have this year made a decided change in programme, and many instead of selling their grapes for little or nothing, have dried them, and from newspaper reports, the prices offered for this article are much more satisfactory and remunerative than selling them at prices offered in their green state.

The winter so far has been very propitious for an abundant crop of fruit for the coming season, and, barring accidents, with the increased acreage coming into bearing, we should certainly have at a low estimate two thousand cars of deciduous fruits leaving our well favored State.

## THE WHEAT CROP.

The year of 1888 opened exceedingly bright for the cereal production of California. The acreage sown to wheat was in the neighborhood of three million two hundred and fifty thousand. Up to April first, the crops, although late, promised well, but the month of April failed to give the desired rainfall that is so much needed by growing grain at that particular time. Instead of rain, the old enemy of the wheat crops—the hot, dry north winds—prevailed most of the entire month. This proved disastrous to young grain, and cost the growers at least one quarter of the acreage seeded. More favorable weather was had in May and June, and in fact up to harvest, that assisted very materially in the maturing of early sown grain. The estimated outcome of wheat in 1888 is about twenty-seven million seven hundred and fifty thousand bushels, as against a yield of nearly twenty-eight million in 1887.

The year of 1888 can be considered as fairly prosperous for our millers, although our trade with China and Japan has been quite seriously cut into by Oregon. As nearly as can be estimated two million barrels of flour were turned out by the mills of this State during the year. The exports show a slight increase over those of 1887, but are considerably below those of 1886. Tables will be found farther on giving the highest, lowest, and average prices during each month of the year for No. 1 white wheat, spot; also, tables giving the highest and lowest prices of No. 1 feed barley during each month of the various options dealt in at the San Francisco Produce Exchange Call Board Association, for which, with other data connected therewith, we are indebted to Mr. T. C. Friedlander, the obliging Secretary.

## METEOROLOGICAL DEPARTMENT.

This society has from its own resources, ably assisted by Sergeant James A. Barwick, United States Signal Service Observer at Sacramento, issued a report in pamphlet form for the years 1884, 1885, 1886, and 1887, and

the present report for 1888 being five volumes of climatic matter, culled and compiled from various and reliable sources, and replete with meteorological lore, including brief, though accurate, descriptions of each county of the State. This society feels proud of its efforts on behalf of the State to furnish reliable and full data on the peculiar features, conditions, and variety of its numerous climates, for it cannot be said, as of many other States, "*the climate*," but *the climates* of California.

This State, as those who know it in a meteorological sense know full well, can suit the most fastidious and finical hunters after climate, for if the coast does not suit them, they can try the valleys, and if not suited there, they can hie to the mountains and climb to the eyrie of that noble bird, the great American eagle, that soars and builds its nest upon the highest pinnacle of this continent, and which is a fit emblem of this country.

This State needs a weather service controlled by itself, so as to be enabled to investigate scientifically the peculiarities of its climate, and also to discover and define what is termed the frost-belt in and along our foothills. Our back reports afford such indisputable evidence that a State Weather Service and Crop Report is necessary, that it is needless to dwell longer on the subject.

The people of this State owe very much to Sergeant Barwick for his untiring and steady devotion to the gathering and compiling of the most complete State weather records of any State in the Union, not even excepting those which have a State Weather Service; and as the Sergeant's services have been entirely gratuitous for the past seven years, it is certainly asking too much of him to continue his full and complete annual reports to this society without compensation. And here is where the State should step in and take a hand in the matter of gathering weather records, by having a Weather Department attached to the State Agricultural Society, and obtain the services of the Sergeant through General Greeley, the Chief Signal Officer, to assist in its organization. Our annual reports are constantly being called for from other States and foreign countries on account of its weather records.

## LIVE STOCK.

One of the first and most staple interests is the breeding of all classes of live stock, in California, and the future promises exceptionally fine prospects.

The various improved breeds of horned stock here have such prominence that insures us the commercial standing given other States less favored with advantages, an impetus resulting exceedingly remunerative to the breeders of cattle.

The "breeding up" of cattle is an advantage that those interested are not slow to accept. The introduction and crossing of pure blood in all classes, with a view of improving the beef and milk qualities, is the constant study of successful breeders of cattle, and the increased herds of this character that are each season on exhibition at the State Fair is an example of what is being accomplished in this respect. It is a highly interesting part of the exhibition, and one that attracts the attention of all lovers of high-bred stock.

With our large area of grazing lands we are in a better condition to breed on an extensive scale, not only cattle, but sheep, goats, and swine, than are many of our sister States. But as new interests are now attracting the land owners, the raising of sheep and swine has to some extent

come to be neglected. Where formerly this interest was leading, it is now carried on by comparatively few.

The business of the breeding and raising of horses of all kinds, from the fleety thoroughbred to the powerful Clyde, is on the increase, and is one of our most successful industries. There is money to be made in this business, as the farmer who, by improved breeding, is enabled to sell his surplus stock at good prices, can readily substantiate, while those who make it a business complain not of the returns made each season.

In addition to the many staple classes of live stock here bred we are fast assuming the lead in the breeding of a class that is commanding the attention of all lovers of that noble animal—the thoroughbred—throughout the United States, thereby creating a market for an additional resource for which by reason of climate we are especially adapted to produce.

The sales by public auction of this one breed of stock, in yearling form, for the season of 1888 in the United States amounted to $520,230, there being seven hundred and seventy-nine head sold for this sum, and they the get of but one hundred and twenty-two stallions, showing an average of $667 82. A grand result taking the number into consideration.

One of our principal breeders, taking advantage of the increased demand, sold about seventy head of yearling racing colts for $112,000, at an average of about $1,600 per head—a phenomenal sale. This event will give California the standing she is entitled to in this important industry. These annual sales are a most desirable method, and one which has given Kentucky a world renowned reputation as a breeding State, and they have already drawn attention to the produce of California by those who are desirous of obtaining the produce of our well established breeding farms where all can avail themselves of the blood that has proven successful on the turf.

The turf interest to this State is of some magnitude, and should be encouraged in every possible way. The breeding and sale of race horses is as much of a resource as any other production, and by proper encouragement can be made valuable to our now prosperous State. This interest gave England a prominence that will last for ages. She is the parent of this most fashionable breed of animals. Kentucky was and is still the favored spot of America in this interest; but California is fast approaching an era when the home of the thoroughbred will here be located; when those who are seeking the pure blooded, well muscled colts are bound to come to purchase. California now has the reputation of not only producing the various necessities of life, but likewise the principal luxuries. The race horse is a luxury, and necessarily high priced, which to the producer is a grand fault (?), and he can well afford to have it so.

The raising of standard bred and roadster classes of horses is likewise an important factor in this State; the prominence given some of our youngsters abroad has turned the attention of this class of buyers to our shores. These light harness classes are desirable in all sections of the country, and the sales each season of California bred ones are regular and remunerative to the breeder.

The breeding of the heavier classes of horses is one of the best paying investments that could be made. The demand for truck and delivery wagon animals is continual. One of our breeders of this character sells at public sale from $30,000 to $40,000 annually.

It is thus apparent that live stock breeding in this State, of the kind and character in demand, is in itself one of our greatest industries, and one which we desire to encourage in every possible way.

### QUARANTINE LAWS.

Accompanying this report will be found one from Thos. Bowhill, M. R. C. V. S., upon the diseases of live stock in the State. It is clearly shown by examinations made that we have in our midst anthrax and Texas fever among the cattle, and cholera in swine.

It is highly necessary that action should be had at once for the extirpation of these plagues. Stringent quarantine laws would, in our opinion, be great assistance in preventing the importation, when the necessary remedies could be applied to eradicate the diseases now here. The appointment of a State Veterinarian is one of the first steps necessary, as nearly every case afflicted can be traced to importation. Stop this, burn all carcasses of animals dying with disease, destroy all afflicted, and burn the ranges traversed, this plague can be easily stamped out. Until quarantine is placed on all stock coming into the State, it is useless to attempt its destruction, as the disease travels faster than remedies unless check is placed on the fountain head.

### COUNTY EXHIBITS.

Individual counties showing their productive qualities in competition at the State Fair each year, is a portion of the exhibition that much care and attention is given to by this Board, and it is with great difficulty that the committees arrive at a decision upon the superiority, so nearly equal are exhibits.

The tasty arrangement and great quantity of diversified products makes this department of our exhibition the most attractive. A complete report by counties is herein given among the valuable papers published in this report. As our province is to furnish all information possible on the productive quality of our State, no better table of statistics could be prepared than the report made upon the exhibits of the many counties at the Fair of 1888. It is our intention, as fast as resources will permit, to increase the awards in this department, as the money could not be used to a better advantage than by encouraging in this way the growing of superior products.

### PERMANENT IMPROVEMENTS.

The keeping up of a great property like that under the supervision of this Board is in itself no small item of expense, and as the payment for necessary improvements thereto must come out of the profits of our exhibitions, irrespective of the money appropriated by the State, it is only with the most careful management that we are able to keep pace with the wants in this regard. The expenditures for building and improvements the past year amounts to $18,642 42. Nearly this entire amount was expended in raising and otherwise improving the grand and special stands at Park grounds. These improvements were absolutely necessary, as the structures were fast approaching decay.

The money necessary for expenditures of this character is supplied upon the personal security of members of this Board, who risk its return from the resources of the society. The State does not permit the money by them given in aid to be expended for permanent improvements; consequently it is to the interest of the members of this Board to see that the management is such as will justify them in assuming these personal risks.

During the past eight years this item has been of no small amount, there having been expended on this account, exclusive of special appropriations by State and city for the construction of the exhibition building, nearly $100,000. It is our intention to make still further improvements by the construction of new stabling at the Park as soon as circumstances will permit.

STATE APPROPRIATIONS.

Contrary to the expectation of many, the State does not pay one dollar expended by this Board, over and above the amount appropriated for the aid of this society. Nor is it liable in any way for indebtedness incurred. The receipts and disbursements amount each year to from $60,000 to $75,000, whereas the amount appropriated by the State, as aid, amounts to but $17,500, of which $2,500 is for the care and insurance of the exhibition building, leaving $15,000, which amount is devoted to the payment of premiums (exclusive of racing). Thus the State money is returned to the producers, after doing valuable service. We call your attention to these facts, to show that whatever money is received from the State is expended in a manner that should meet the approval of all. At least, we are perfectly satisfied to have comparisons drawn between this and other institutions aided by the State, in the expenditure of State funds.

EXPERTS' REPORT.

The Board of Directors has caused the books and accounts to be thoroughly examined and experted during the incumbency of the present Secretary. The experts selected for this work were Mr. A. W. Bell, of the First National Bank of Stockton, and J. M. La Rue, Esq., Secretary of the San Joaquin Valley Agricultural Association, both of whom are expert accountants of many years' experience. After several weeks of continued labor these gentlemen submitted the following report:

*Hon.* L. U. Shippee, *President State Agricultural Society:*

Sir: The undersigned, having been requested by you to fully and carefully examine the books and accounts of the Secretary of the State Agricultural Society, beg to submit the following report:

Our work began with the fiscal year commencing February 1, 1881, and our study and examination of the books, accounts, and all financial transactions of the society extended from that date up to and including December 31, 1887.

We had full access to all the books and accounts of the society, and to any and all memoranda desired or asked for, and we believe made a complete and thorough examination.

The source of the receipts of the society was a matter that received our closest attention, and it was found that everything was accounted for, with the exception of $3,037 75 on September 16, 1882, which was erroneously entered as $3,037 35.

All disbursements are represented by correct vouchers produced by the Secretary, and thoroughly examined by us, but we found that voucher No. 156 of 1883 showed the following amount as having been paid: $17 26, which was charged up as $13 56, leaving a balance in favor of the Secretary of $3 70.

The system of keeping the accounts adopted in August, 1881, and pursued to date of the termination our work, is as nearly complete as may be,

especially considering the fact of the volume of business necessary to be transacted, and the handling of large and small sums of money during the limited space of time permitted during the State Fair.

The system used for the receipts and disbursements of moneys that pertained to the speed contests is particularly creditable to the officer responsible, no error being found that was detrimental to the society, and only one that could be to its patrons, and that was corrected immediately after its discovery and the proper voucher shown for it.

We find the total number of premiums unpaid and uncharged to be $388—from 1881 to 1887, both years included. All other claims and accounts appearing against the society, exclusive of those shown in the profit and loss account, and balance sheet for 1887, are paid and vouchers on file. We append herewith a full statement of receipts and disbursements, together with the profit and loss account for each year, showing in the latter account a loss of $5,285 69 on December 31, 1887, being the net loss (showing indebtedness on this date) for the years 1881 to 1887, inclusive.

We find that the amount of the appropriations received from the State of California from 1881 to 1887 was $77,500; that the amount paid for premiums was $77,995 36, and, further, that the disbursements on account of permanent improvements made by the society, exclusive of the appropriations made by the citizens of Sacramento and of the State of California for the building of the exhibition building, have been up to December 31, 1887, $57,382 87. We inclose herewith the balance sheets for the several years named in this report, with our signatures attached to same, which have been in our possession since proof.

Respectfully submitted.

[Signed:] ARTHUR W. BELL,
J. M. LA RUE,
Accountants.

INDEBTEDNESS.

The continual improvements to the property under the supervision of this Board, made necessary by its long usage, compels us to expend each year more than our resources will permit, in order to render the property useful. It is our intention to continue these improvements until the property has an appearance in keeping with the age and not the dilapidated look of twenty-five years use.

| | |
|---|---|
| On February 1, 1888, our indebtedness was | $5,968 28 |
| Expended in building and improvements 1888 | 18,642 42 |
| Making total indebtedness September 1, 1888 | $24,610 70 |

At the end of the fiscal year February 1, 1889, we find our assets and liabilities as follows:

*Liabilities.*

| | | |
|---|---|---|
| D. O. Mills & Co., loan | | $6,991 68 |
| Bills payable account | | 8,028 26 |
| Stakes due, race accounts | | 2,880 00 |
| | | $17,899 94 |

*Assets.*

| | | |
|---|---|---|
| Entrances due, account races | $2,260 00 | |
| Bills receivable | 401 66 | |
| Cash | 901 31 | |
| | | $3,562 97 |
| Net indebtedness, February 1, 1889 | | $14,336 97 |

Showing net gain for the year to be as follows:

| | |
|---|---|
| Indebtedness, September 1, 1888 | $24,610 70 |
| Indebtedness, February 1, 1889 | 14,336 97 |
| Net gain for 1888 | $10,273 73 |

RESUMÉ.

It is with much gratification that we note the progress made, likewise the interest taken by the public in our exhibitions each year. Our methods are progressive, and no doubt faults exist, but to all who are of the belief that a public institution can be so managed as to satisfy every one, we can but say that theory and practice are at great variance in this respect. The time given by the members of the Board in aiding the development of the State's resources, is by no means a small item. The amount of business transacted each year may not impress the casual observer with its magnitude, but a little calm reflection and careful review of the multifarious labors performed in the extensive sphere under the jurisdiction of this Board, can but convince that our achievements are an adequate reward for the efforts put forth, and in full keeping with the dignity of the State, and the world-wide renown so rapidly being acquired by California.

We append our financial statement in detail, to which we invite careful inspection:

FINANCIAL SUMMARY.

| | |
|---|---|
| Amount on hand at commencement of year | $409 15 |
| Total receipts from all sources | 92,391 73 |
| | $92,800 88 |
| Total disbursements | $91,899 57 |
| Cash on hand | 901 31 |
| | $92,800 88 |

L. U. SHIPPEE,
President.

EDWIN F. SMITH,
Secretary.

# FINANCIAL STATEMENT.

## FEBRUARY 1, 1888, TO JANUARY 31, 1889.

## SUMMARY.

### RECEIPTS.

| | | | |
|---|---|---|---|
| 1888. | | | |
| Feb. 1 | Cash balance | | $409 15 |
| | Rent of Park | $3,950 00 | |
| | Race entries, forfeits, etc. | 16,720 00 | |
| | Running stakes, 1889-90 | 305 00 | |
| | Occident stakes, 1889-90-91 | 1,455 00 | |
| | Park and Pavilion receipts during Fair | 36,393 00 | |
| | Premiums and care of exposition building—State warrants and rebates | 17,570 00 | |
| | Expense account rebates | 184 63 | |
| | Building and improvement accounts, sale of wood, rebates, etc. | 448 16 | |
| | Bills payable | 8,028 26 | |
| | Bills receivable | 346 00 | |
| | D. O. Mills & Co., current loan | 6,991 68 | |
| | | | $92,391 73 |
| | | | $92,800 88 |

### DISBURSEMENTS.

| | | |
|---|---|---|
| Building and improvements | $19,090 58 | |
| Expenses | 15,435 44 | |
| Premiums paid (exclusive of racing) | 14,256 98 | |
| Race account, purses, stakes, forfeits, and added money | 25,560 00 | |
| Salaries | 4,787 60 | |
| Bills payable (balance due on note of 1884) | 4,500 00 | |
| Insurance | 1,455 05 | |
| Interest | 1,050 11 | |
| Advertising | 1,973 72 | |
| Entrances due, account races 1888 | 405 00 | |
| Occident stake, 1888, account collections made 1886 and 1887 | 885 00 | |
| Occident stake, 1889, return of stakes account death | 35 00 | |
| California annual stake, 1888, account declarations | 10 00 | |
| California Derby stake, 1888, account declarations | 80 00 | |
| Bills receivable | 201 66 | |
| D. O. Mills & Co., account O. & D. of 1887 | 2,148 43 | |
| Park and Pavilion receipts, account rebate L. M. | 25 00 | |
| 1889. | | |
| Feb. 1—Cash balance | 901 31 | |
| | | $92,800 88 |

### RECEIPTS.

| | | | |
|---|---|---|---|
| 1888. | | | |
| Feb. 1 | Cash balance | | $409 15 |
| | **Rent.** | | |
| | Rent of Park, twelve months | $3,850 00 | |
| | Rent of Pavilion | 100 00 | |
| | | | $3,950 00 |
| | **Races.** | | |
| Race No. 1 | —Entrances, stakes, and forfeits received | $1,120 00 | |
| Race No. 2 | —Entrances, stakes, and forfeits received | 840 00 | |
| Race No. 3 | —Entrances, stakes, and forfeits received | 480 00 | |
| Race No. 4 | —Entrances, stakes, and forfeits received | 260 00 | |
| | Amount carried forward | $2,700 00 | $4,359 15 |

| | | | |
|---|---|---|---|
| | Amount brought forward | $2,700 00 | $4,359 15 |
| Race No. 5 | —Entrances, stakes, and forfeits received | 225 00 | |
| Race No. 6 | —Entrances, stakes, and forfeits received | 450 00 | |
| Race No. 7 | —Entrances, stakes, and forfeits received | 50 00 | |
| Race No. 8 | —Entrances, stakes, and forfeits received | 430 00 | |
| Race No. 9 | —Entrances, stakes, and forfeits received | 2,250 00 | |
| Race No. 10 | —Entrances, stakes, and forfeits received | 1,000 00 | |
| Race No. 11 | —Entrances, stakes, and forfeits received | 670 00 | |
| Race No. 12 | —Entrances, stakes, and forfeits received | 750 00 | |
| Race No. 13 | —Entrances, stakes, and forfeits received | 690 00 | |
| Race No. 14 | —Entrances, stakes, and forfeits received | 150 00 | |
| Race No. 15 | —Entrances, stakes, and forfeits received | 975 00 | |
| Race No. 16 | —Entrances, stakes, and forfeits received | 600 00 | |
| Race No. 17 | —Entrances, stakes, and forfeits received | 700 00 | |
| Race No. 18 | —Entrances, stakes, and forfeits received | 165 00 | |
| Race No. 19 | —Entrances, stakes, and forfeits received | 350 00 | |
| Race No. 20 | —Entrances, stakes, and forfeits received | 330 00 | |
| Race No. 21 | —Entrances, stakes, and forfeits received | 180 00 | |
| Race No. 22 | —Entrances, stakes, and forfeits received | 900 00 | |
| Race No. 23 | —Entrances, stakes, and forfeits received | 650 00 | |
| Race No. 24 | —Entrances, stakes, and forfeits received | 640 00 | |
| Race No. 25 | —Entrances, stakes, and forfeits received | 580 00 | |
| Race No. 26 | —Entrances, stakes, and forfeits received | 490 00 | |
| Race No. 27 | —Entrances, stakes, and forfeits received | 205 00 | |
| Race No. 28 | —Entrances, stakes, and forfeits received | 540 00 | |
| Race No. 29 | —Entrances, stakes, and forfeits received | 50 00 | |
| | | | $16,720 00 |

*Running Stakes of 1889–90.*

| | | |
|---|---|---|
| The President stake, payments received | $225 00 | |
| The California Derby, 1889, account declarations | 60 00 | |
| The California Breeders' stake, 1889, account declarations | 20 00 | |
| | | $305 00 |

*Occident Stakes, 1889–90–91.*

| | | |
|---|---|---|
| Payments made in 1888 in Occident for 1889 | $230 00 | |
| Payments made in 1888 in Occident for 1890 | 595 00 | |
| Payments made in 1888 in Occident for 1891 | 630 00 | |
| | | $1,455 00 |

PARK AND PAVILION RECEIPTS.

| | | | |
|---|---|---|---|
| June 30 | —Printing and Pavilion privileges | | $881 00 |
| Sept. 1 | —Life membership, Matt F. Johnson | $50 00 | |
| 4 | —Life membership, H. R. Crouch | 50 00 | |
| | Life membership, R. H. Hawley | 50 00 | |
| | Life membership, Walter E. Brown | 50 00 | |
| | Life membership, Louis Nicolaus | 50 00 | |
| | Life membership, August Heilbron | 50 00 | |
| Sept. 5 | —Life membership, F. C. Knauer | 50 00 | |
| 7 | —Life membership, C. C. Perkins | 50 00 | |
| | Life membership, Wm. Dwyer | 50 00 | |
| | Life membership, Geo. E. Erhart | 50 00 | |
| | Life membership, Frank Bergman | 50 00 | |
| | Life membership, W. S. Jacobs | 50 00 | |
| | Life membership, J. H. Wieland | 50 00 | |
| | Life membership, A. Meister | 50 00 | |
| | Life membership, E. C. Atkinson | 50 00 | |
| | | | $750 00 |
| Sept. 3 | —Double season tickets | $1,065 00 | |
| 4 | —Double season tickets | 970 00 | |
| 5 | —Double season tickets | 1,025 00 | |
| 6 | —Double season tickets | 1,805 00 | |
| 7 | —Double season tickets | 790 00 | |
| 8 | —Double season tickets | 445 00 | |
| 10 | —Double season tickets | 470 00 | |
| 11 | —Double season tickets | 195 00 | |
| 12 | —Double season tickets | 140 00 | |
| 13 | —Double season tickets | 123 00 | |
| 14 | —Double season tickets | 33 00 | |
| 15 | —Double season tickets (entry clerks) | 525 00 | |
| | | | $7,576 00 |
| Sept. 3 | —Single season tickets | $72 00 | |
| 4 | —Single season tickets | 99 00 | |
| 5 | —Single season tickets | 90 00 | |
| | Amount carried forward | $261 00 | $32,046 15 |

| | | | |
|---|---|---|---|
| | Amount brought forward | | $32,046 15 |
| Sept. | 6—Single season tickets | $456 00 | |
| | 7—Single season tickets | 222 00 | |
| | 8—Single season tickets | 99 00 | |
| | 10—Single season tickets | 183 00 | |
| | 11—Single season tickets | 51 00 | |
| | 12—Single season tickets | 60 00 | |
| | 13—Single season tickets | 33 00 | |
| | 14—Single season tickets | 6 00 | |
| | | | $1,371 00 |
| Sept. | 4—Children's tickets | $0 25 | |
| | 5—Children's tickets | 1 50 | |
| | 6—Children's tickets | 8 00 | |
| | 7—Children's tickets | 15 50 | |
| | 8—Children's tickets | 16 75 | |
| | 10—Children's tickets | 30 75 | |
| | 11—Children's tickets | 19 50 | |
| | 12—Children's tickets | 33 50 | |
| | 13—Children's tickets | 35 50 | |
| | 14—Children's tickets | 30 25 | |
| | 15—Children's tickets | 19 75 | |
| | | | $211 25 |
| Sept. | 3—Single admission tickets | $14 00 | |
| | 4—Single admission tickets | 55 00 | |
| | 5—Single admission tickets | 127 00 | |
| | 6—Single admission tickets | 794 50 | |
| | 7—Single admission tickets | 944 00 | |
| | 8—Single admission tickets | 1,387 00 | |
| | 10—Single admission tickets | 1,958 00 | |
| | 11—Single admission tickets | 1,199 50 | |
| | 12—Single admission tickets | 2,669 50 | |
| | 13—Single admission tickets | 2,334 00 | |
| | 14—Single admission tickets | 2,168 00 | |
| | 15—Single admission tickets | 924 50 | |
| | | | $14,575 00 |
| Sept. | 6—Grand stand receipts | $132 00 | |
| | 7—Grand stand receipts | 150 00 | |
| | 8—Grand stand receipts | 224 00 | |
| | 10—Grand stand receipts | 337 00 | |
| | 11—Grand stand receipts | 186 00 | |
| | 12—Grand stand receipts | 230 00 | |
| | 13—Grand stand receipts | 372 50 | |
| | 14—Grand stand receipts | 332 50 | |
| | 15—Grand stand receipts | 36 50 | |
| | | | $2,000 50 |
| Sept. | 6—Quarter-stretch badges | $160 00 | |
| | 7—Quarter-stretch badges | 55 00 | |
| | 8—Quarter-stretch badges | 20 00 | |
| | 10—Quarter-stretch badges | 10 00 | |
| | 11—Quarter-stretch badges | 15 00 | |
| | 12—Quarter-stretch badges | 10 00 | |
| | 13—Quarter-stretch badges | 3 00 | |
| | 14—Quarter-stretch badges | 2 00 | |
| | | | $275 00 |
| Sept. | 6—Special stand receipts | $69 00 | |
| | 7—Special stand receipts | 16 00 | |
| | 8—Special stand receipts | 18 50 | |
| | 10—Special stand receipts | 41 00 | |
| | 11—Special stand receipts | 16 50 | |
| | 12—Special stand receipts | 25 50 | |
| | 13—Special stand receipts | 49 50 | |
| | 14—Special stand receipts | 37 50 | |
| | 15—Special stand receipts | 3 00 | |
| | (At office) | 78 00 | |
| | | | $354 50 |
| Sept. | 10—Carriage badges | $9 00 | |
| | 15—Pool privilege | 6,878 15 | |
| | Programmes and Park privileges | 1,178 30 | |
| | Sweepstakes (premiums) | 249 00 | |
| | Art catalogue and Pavilion privileges | 84 30 | |
| | | | $8,398 75 |
| | Amount carried forward | | $59,232 15 |

| | | | |
|---|---|---|---|
| | Amount brought forward | | $59,232 15 |
| | *Premiums.* | | |
| Sept. 15 | Rebate | $10 00 | |
| | Specials | 60 00 | |
| | State warrant | 17,500 00 | |
| | | | $17,570 00 |
| | *Expense.* | | |
| Mar. 31 | Sale of hay | $45 18 | |
| Sept. 8 | Damage to Pavilion chairs paid by Pastors' Union | 15 00 | |
| 17 | Hay and straw sold at Park | 75 65 | |
| | Team at Park | 12 20 | |
| | Wood at Park | 2 00 | |
| 18 | Hay at Park | 16 50 | |
| 21 | Hay at Park | 8 10 | |
| 19 | Wood at Park | 10 00 | |
| | | | $184 63 |
| | *Building and Improvements.* | | |
| June 4 | Sale of house and barn to L. Howe | $100 00 | |
| 14 | Sale of wood by Superintendent Pierson | 43 50 | |
| 18 | Sale of wood by Superintendent Pierson | 5 50 | |
| 30 | Sale of wood by Superintendent Pierson | 13 00 | |
| July 16 | Sale of wood by Superintendent Pierson | 25 00 | |
| | Sale of wood by Superintendent Pierson | 19 00 | |
| Aug. 31 | Sale of wood by Superintendent Pierson | 40 50 | |
| | Building and repairs, account City of Sacramento | 201 66 | |
| | | | $448 16 |
| | *Bills Payable.* | | |
| Oct. 4 | Richards & Knox, account of lumber | $3,182 61 | |
| | Sullivan, Kelly & Co., account of paints and oil | 961 31 | |
| | Huntington-Hopkins Company, hardware | 541 48 | |
| | Friend & Terry Lumber Company, account of lumber | 1,017 25 | |
| Nov. 19 | Sacramento Lumber Company, account of lumber | 1,360 58 | |
| Dec. 31 | W. K. Vanderslice & Co., account of medals | 965 04 | |
| | | | $8,028 26 |
| | *Bills Receivable.* | | |
| Mar. 30 | A. J. Rhoads, note, account of rent | $346 00 | |
| | | | $346 00 |
| | *D. O. Mills & Co.* | | |
| 1889. | | | |
| Jan. 31 | Overdraft balance | $6,991 68 | |
| | | | $6,991 68 |
| | | | $92,800 88 |

## DISBURSEMENTS.

| | | | |
|---|---|---|---|
| | *Building and Improvements.* | | |
| | Remodeling grand and special stands at Park, per specifications | $8,589 49 | |
| | Extra work not included in original specifications: For raising Superintendent's office, building entry clerk's office, repairing sidewalk, new stairways, temporary boarding house, etc., pool and cigar stands, enlarging Director's stand, work on chairs for special stand, water-closets and screens, chimneys, filling in under special stand, plumbing and extra repair work | 3,228 00 | |
| | Making new tools | 100 00 | |
| | Building Judge's stand | 717 20 | |
| | New addition to park and grounds, including fence, building, and stalls | 2,621 33 | |
| | New tank and piping, and pipe for new addition, and tearing down old tank | 849 14 | |
| | New troughs, tubs, and general repairs around grounds | 884 71 | |
| | Clearing up debris, cartage, materials, tools, etc | 395 05 | |
| | Salary of Superintendent | 300 00 | |
| | Drawing specifications, etc | 100 00 | |
| | New floor in conservatory at Pavilion, new tables, etc | 1,305 66 | |
| | | | $19,090 58 |
| | Amount carried forward | | $19,090 58 |

| | | | |
|---|---|---|---|
| | Amount brougtht forward | | $19,090 58 |

*Expense Account.*

| | | | |
|---|---|---|---|
| 1888. | | | |
| Feb. | 4—Hook & Son, repairs | $10 00 | |
| | 5—M. F. Johnson, legal services | 19 00 | |
| | 26—George Martin, Park watch | 50 00 | |
| | 28—Sundries | 10 10 | |
| March | 6—H. S. Crocker & Co., merchandise | 27 50 | |
| | 6—Holbrook, Merrill & Stetson, merchandise | 28 10 | |
| | 31—Sundries for the month | 35 90 | |
| April | 7—H. Latham, expenses account county exhibits | 50 00 | |
| | 27—Weinstock & Lubin, expense | 20 00 | |
| | 30—E. P. Cole, legal services | 250 00 | |
| | 30—Sundry monthly accounts | 45 10 | |
| May | 29—Painting smoke stack | 20 00 | |
| | 29—Sundry monthly bills | 40 15 | |
| June | 14—Dr. H. Latham, expenses account county exhibits | 50 00 | |
| | 18—Whittier, Fuller & Co., merchandise | 71 20 | |
| | 30—Sundry small accounts | 20 00 | |
| July | 10—One shorthorn herd book | 8 00 | |
| | 12—C. Herndon, extra watchman | 6 00 | |
| | 15—Telephone account, three months | 16 65 | |
| | 30—Sundry monthly accounts | 66 15 | |
| | 31—W. J. Parker, hay for team | 26 00 | |
| Aug. | 6—National Trotting Association dues | 156 00 | |
| | 9—Dr. H. Latham, county exhibit expenses | 275 00 | |
| | W. F. Smith, services | 50 00 | |
| Sept. | 1—M. F. Johnson, legal services | 50 00 | |
| | Sundry small accounts for August | 52 75 | |
| Sept. | 15—J. F. B. McCleery, billiard exhibitions | 65 00 | |
| | 17—First Artillery Band, music | 900 00 | |
| | J. F. Toomey, transportation for ticket clerks | 31 00 | |
| | George Boyne, decorating building | 330 00 | |
| | William Curtis, 79 tons oat hay, at $12 | 948 00 | |
| | B. A. Johnson, account Directors' stand | 349 70 | |
| | C. S. Crittenden, services as starter | 95 00 | |
| | L. B. Clark, 78½ tons stubble straw, at $6 50 | 510 25 | |
| | Prizes for baseball contest | 60 00 | |
| | William Curtis, 4,165 lbs. oat hay, at $12 | 25 00 | |
| | | | $4,827 55 |

*Pavilion Payroll.*

| | | | |
|---|---|---|---|
| Sept. | 17—O. P. Dodge, Assistant Superintendent | $146 50 | |
| | J. S. Miller, Financial Secretary | 75 00 | |
| | Norton Bush, Superintendent Art Department | 250 00 | |
| | H. F. Pierson, Superintendent Machinery Hall | 80 00 | |
| | J. F. Slater, entry clerk | 90 00 | |
| | W. W. Greer, entry clerk | 90 00 | |
| | Samuel Blair, entry clerk | 89 00 | |
| | C. H. Green, chief ticket clerk | 60 00 | |
| | E. P. Howe, assistant ticket clerk | 30 00 | |
| | Lee Brown, assistant ticket clerk | 30 00 | |
| | A. Keithly, doorkeeper | 48 00 | |
| | J. P. Watkins, doorkeeper | 49 50 | |
| | H. W. Shea, doorkeeper | 47 50 | |
| | T. T. Burnett, doorkeeper | 9 00 | |
| | C. B. Herndon, doorkeeper | 9 00 | |
| | T. C. Pockman, doorkeeper Machinery Department | 37 50 | |
| | C. T. Sprague, doorkeeper Machinery Department | 35 00 | |
| | H. Bagwell, doorkeeper Machinery Department | 28 00 | |
| | G. W. Waldron, membership ticket clerk | 12 00 | |
| | C. H. Green, ticket counter | 27 00 | |
| | Mrs. V. Johnson, ladies' room | 24 00 | |
| | P. Nash, night watch | 42 00 | |
| | C. B. Herndon, night watch | 12 50 | |
| | W. C. Holt, night watch machinery | 37 50 | |
| | A. J. Muir, gasman | 20 00 | |
| | T. C. Raglan, watchman | 5 00 | |
| | W. F. Jorgensen, laborer Art Department | 19 50 | |
| | P. Menegoena, laborer Art Department | 44 50 | |
| | E. M. Atkinson, messenger | 33 00 | |
| | L. T. Hatfield, foreman | 57 00 | |
| | Amount carried forward | $1,538 00 | $23,918 13 |

| | | | |
|---|---|---|---|
| | Amount brought forward | $1,538 00 | $23,918 13 |
| Sept. 17—John Ireland, laborer | | 33 50 | |
| Nat Christopher, laborer | | 2 50 | |
| W. A. Smith, laborer | | 64 00 | |
| Robert Harvey, laborer | | 67 50 | |
| C. C. Folger, laborer | | 65 00 | |
| W. M. Smith, laborer | | 60 75 | |
| Frank Nold, laborer | | 68 00 | |
| T. C. Raglan, laborer | | 66 50 | |
| L. L. Forrest, laborer | | 57 50 | |
| S. Addison, laborer | | 60 50 | |
| J. N. Herndon, laborer | | 63 00 | |
| Hiram Clock, laborer | | 46 50 | |
| T. M. Prior, laborer | | 59 50 | |
| William Jones, laborer | | 42 00 | |
| Joseph Harris, laborer | | 43 00 | |
| E. Matheur, laborer | | 42 00 | |
| L. Moreno, laborer | | 37 00 | |
| T. H. Lambert, laborer | | 12 50 | |
| N. Ross, laborer | | 32 00 | |
| N. M. Wooly, laborer | | 14 50 | |
| W. F. Jorgensen, laborer | | 31 00 | |
| William Keithley, laborer | | 32 50 | |
| Messenger for Dodge | | 6 00 | |
| A. F. Thull, carpenters' foreman | | 72 80 | |
| John Phoff, carpenter | | 32 75 | |
| F. Richmond, carpenter | | 7 50 | |
| C. J. Gardman, carpenter | | 32 70 | |
| Sam Stouns, carpenter | | 18 00 | |
| S. A. Rice, carpenter | | 31 29 | |
| J. R. Parker, carpenter | | 39 30 | |
| H. Feon, carpenter | | 19 20 | |
| A. W. Love, carpenter | | 19 20 | |
| Charles Thomas, carpenter | | 3 00 | |
| Fred Nold, laborer Machinery Department | | 55 00 | |
| M. Lucy, laborer Machinery Department | | 46 00 | |
| E. C. Cook, laborer Machinery Department | | 35 00 | |
| Hugh Davis, laborer Machinery Department | | 13 00 | |
| John Bateman, laborer Machinery Department | | 2 00 | |
| | | | $2,971 85 |

*Park Payroll.*

| | | |
|---|---|---|
| A. G. Folger, Assistant Superintendent | $85 00 | |
| A. H. Estill, clerk of course | 45 00 | |
| H. M. La Rue, Jr., entry clerk | 65 00 | |
| James C. Kelly, chief ticket clerk | 45 00 | |
| B. F. Hancock, assistant ticket clerk | 22 50 | |
| Albert Pait, assistant ticket clerk | 22 50 | |
| George Waldron, membership ticket clerk | 36 00 | |
| E. M. Atkinson, assistant membership ticket clerk | 22 50 | |
| William Nixon, ticket clerk special stand | 22 50 | |
| Robert Sullivan, ticket seller | 13 50 | |
| A. Spencer, ticket seller | 13 50 | |
| Walter Toomey, ticket seller | 13 50 | |
| A. Trainor, ticket seller | 13 50 | |
| A. Roblin, ticket seller | 13 50 | |
| Harry Williams, ticket seller | 13 50 | |
| George Poorman, Assistant Marshal | 45 00 | |
| George S. Milliken, Assistant Marshal | 45 00 | |
| M. Judge, Assistant Marshal | 45 00 | |
| John La Rue, groom badge clerk | 30 00 | |
| James C. Stovall, forage clerk | 42 00 | |
| George Boyyer, milk test clerk | 14 00 | |
| A. F. Dray, usher special stand | 18 00 | |
| Ralph Hoyt, stairman special stand | 22 50 | |
| Paul Maslin, usher Directors stand | 18 00 | |
| A. G. Hamilton, blackboard clerk | 18 00 | |
| James N. Holl, blackboard clerk | 18 00 | |
| L. Whiting, Judges' stand | 31 50 | |
| Chas. Paine, weighmaster | 32 50 | |
| Carter Jackson, day hay watch | 32 50 | |
| Wm. Nonnan, night hay watch | 40 00 | |
| C. V. Garret, poultry watch | 27 50 | |
| Amount carried forward | $926 50 | $26,889 98 |

| | | | |
|---|---|---|---|
| | Amount brought forward | $926 50 | $26,889 98 |
| Sept. 17—W. Walters and team, hay delivery | | 58 00 | |
| | A. Doermey, hay delivery help | 28 00 | |
| | Wm. Grant, rear porter grand stand | 20 00 | |
| | Jos. Williams, rear porter grand stand | 20 00 | |
| | Jas. Drummond, rear porter grand stand | 20 00 | |
| | P. O'Meara, fire night watch | 33 00 | |
| | H. A. Guthin, fire day watch | 30 00 | |
| | T. T. Burnett, gatekeeper | 45 00 | |
| | C. B. Herndon, gatekeeper | 45 00 | |
| | Jerome Myers, gatekeeper | 45 00 | |
| | A. McCloud, gatekeeper | 45 00 | |
| | Jno. Shellars, gatekeeper | 45 00 | |
| | R. H. Newton, quarter-stretch | 45 00 | |
| | D. M. Walker, stairman | 21 50 | |
| | S. C. Clough, stairman | 21 50 | |
| | A. Foley, exit gate | 22 50 | |
| | W. M. Willard, exit gate | 22 50 | |
| | D. P. Coon, quarter-stretch track gate | 18 00 | |
| | R. May, quarter-stretch gate | 18 00 | |
| | Geo. Ritchie, quarter-stretch gate | 18 00 | |
| | Dan Foley, track entrance gate | 18 00 | |
| | L. Sheehan, back gate | 18 00 | |
| | Wm. Avery, gate Judges' stand | 18 00 | |
| | J. J. Cahill, stairman grand stand | 21 50 | |
| | D. H. White, grand stand | 21 50 | |
| | Jno. Perry, grand stand | 21 50 | |
| | C. Weinrich, ticket taker grand stand | 21 50 | |
| | Chas. Feyhl, ticket taker grand stand | 21 50 | |
| | C. Clark, stairman grand stand | 10 00 | |
| | J. S. Adams, garbage team | 16 00 | |
| | J. Bollenbacker, carpenter | 48 00 | |
| | T. Suchan, carpenter helper | 28 00 | |
| | M. O'Meara, cartage on hose cart | 2 00 | |
| | A. Grubbs, cartage and care of grand stand | 25 00 | |
| | R. C. Ferguson, cleaning stands during Fair | 80 00 | |
| | H. Haldrick, team and helper on track | 138 00 | |
| | J. Millay, laborer | 6 00 | |
| | J. M. Sullivan, detective | 45 00 | |
| | John Ward, police | 18 00 | |
| | C. Petrie, police | 16 00 | |
| | P. F. Dolan, police | 18 00 | |
| | P. J. Brown, police | 18 00 | |
| | D. M. Cox, police | 18 00 | |
| | Dan Moran, police | 18 00 | |
| | Wiley Moss, police | 18 00 | |
| | L. Spurgeon, police | 18 00 | |
| | Jas. Patterson, police | 18 00 | |
| | R. Corsaw, police | 18 00 | |
| | H. J. Roach, police | 18 00 | |
| | A. Greer, police | 24 00 | |
| | John Kofford, police | 18 00 | |
| | J. E. Gould, police | 18 00 | |
| | Henry Myers, police | 18 00 | |
| | A. N. Foote, police | 18 00 | |
| | Jno. Mullery, police | 18 00 | |
| | Wm. Burns, police | 16 00 | |
| | R. Strouch, police | 16 00 | |
| | | | $2,449 00 |

*Expense Account Continued.*

| | | | |
|---|---|---|---|
| Sept. 30—Kullman, Salz & Co., tanbark | | $67 50 | |
| | John Rooney, 11 tons 772 pounds alfalfa hay, at $10 | 117 70 | |
| | L. N. Billings, 5 tons 510 pounds alfalfa hay, at $10 | 55 10 | |
| | Mrs. Yule, rent of lot | 40 00 | |
| | Geo. Muddox, account exhibit | 15 00 | |
| | Indian exhibition | 275 00 | |
| | Sundry monthly bills | 50 10 | |
| Oct. 2—C. H. Holmes, engraving | | 12 00 | |
| | Pacific Electric Works, electric bells | 32 50 | |
| | J. H. Campbell, excavator | 75 00 | |
| | E. L. Smith, badges | 20 00 | |
| 4—W. J. O'Brien, lime, etc. | | 40 00 | |
| | Amount carried forward | $799 90 | $29,338 98 |

| | | | |
|---|---|---|---|
| | Amount brought forward | $799 90 | $29,338 98 |
| Oct. | 4—Wm. McLaughlin, freight and cartage | 138 15 | |
| | W. H. Murray, extra papers | 50 00 | |
| | J. A. M. Martin, merchandise | 41 75 | |
| | J. A. Lafferty, cartage | 60 00 | |
| | C. H. Krebs & Co., repairs, etc. | 164 80 | |
| | J. F. Hill, annual blacksmith account | 129 43 | |
| | Grangers Business Association, annual grocery account | 181 72 | |
| | Goodwin Bros., account of library | 28 30 | |
| | Wm. Caswell, bill posting | 113 57 | |
| | Sacramento Glass and Crockery Co., filter | 13 00 | |
| | R. A. Steinegger, mounting | 60 00 | |
| | Pioneer Box Factory, sawdust | 3 00 | |
| | Whittier, Fuller & Co., repairs | 39 65 | |
| | A. S. Hopkins & Bro., merchandise | 63 05 | |
| | S. J. Jackson, repairs | 9 00 | |
| | Kirk, Geary & Co., drugs for team | 6 00 | |
| | E. Lyon & Co., merchandise | 14 16 | |
| | Locke & Lavenson, merchandise | 53 36 | |
| | J. M. Morrison, merchandise | 2 30 | |
| | J. A. McCormack, bill posting | 7 50 | |
| | C. McCreary & Co., merchandise | 48 90 | |
| | C. A. Sawtelle, use of cases | 6 50 | |
| | Stober Bros., repairs | 7 00 | |
| | Telephone Co., three months | 17 55 | |
| | J. Winterburn & Co., electros | 9 75 | |
| | F. Wickwire, merchandise | 36 25 | |
| | J. W. Wilson, horse hire | 110 00 | |
| | C. E. Adams, hay for team | 13 65 | |
| | H. S. Crocker & Co., San Francisco, merchandise | 47 50 | |
| | H. S. Crocker & Co., Sacramento, merchandise | 5 65 | |
| | I. De Turk, merchandise | 32 00 | |
| | M. M. Estee, merchandise | 68 00 | |
| | F. & T. Lumber Co., lumber | 34 28 | |
| | Gattman & Wilson, merchandise | 111 78 | |
| | R. E. Gogings, merchandise | 4 50 | |
| | Capital Gas Company, fuel | 216 00 | |
| | Capital Gas Company, electric light, etc. | 735 00 | |
| | Capital Gas Company, gas | 498 30 | |
| | Geo. Murray & Son, repairs | 14 00 | |
| | 12—Smith & Muir, annual account park plumbing | 195 63 | |
| | Smith & Muir, annual account pavilion plumbing | 312 11 | |
| | 26—Western Union Telegraph Co., telegraphing account | 17 60 | |
| | L. A. McLean, veterinary services | 12 00 | |
| | Sundries for the month | 176 35 | |
| Nov. | 2—F. Foster & Co., binding | 30 00 | |
| | 19—Hay for team | 31 90 | |
| | 30—Sundries for month | 24 40 | |
| Dec. | 3—Dan. Foley, labor | 9 00 | |
| | Miss Hinkson, filling diplomas | 32 75 | |
| | 17—H. Haedrick, plowing field | 17 00 | |
| | 29—Union Ice Company, ice for season | 55 35 | |
| | J. Cunningham, Machinery Department | 48 60 | |
| | 31—H. Haedrick, hay for team | 32 30 | |
| | Sundries for month | 28 20 | |
| | H. Haedrick, plowing field | 99 00 | |
| Jan. | 7—Subscription turf journals, etc. | 25 00 | |
| | 10—J. McAdams, hay | 15 50 | |
| | 12—Heilbron Bros., merchandise | 9 40 | |
| | 31—Sundries for month | 19 70 | |
| | | | $5,187 04 |

*Premiums.*

| | | | |
|---|---|---|---|
| 1888. | | | |
| Feb. | 1—Root, Neilson & Co., account 1887 | $20 00 | |
| | Mrs. Taylor, account 1887 | 8 00 | |
| Sept. | 15—Ladies' Tournament | 300 00 | |
| | First Department—Horses, mules, and jacks | 2,416 25 | |
| | First Department—Cattle | 2,041 32 | |
| | First Department—Sheep and goats | 613 12 | |
| | First Department—Swine | 408 75 | |
| | First Department—Poultry | 205 00 | |
| | Second Department—Machinery and agricultural implements | 748 00 | |
| | Third Department—Textile fabrics | 530 00 | |
| | Amount carried forward | $7,290 44 | $34,526 02 |

| | | | |
|---|---|---|---|
| | Amount brought forward | $7,290 44 | $34,526 02 |
| Sept. 15—Fourth Department—Mechanical products | | 524 00 | |
| | Fifth Department—Agricultural products | 723 00 | |
| | Sixth Department—Horticultural products | 989 50 | |
| | Seventh Department—Fine Arts | 1,138 00 | |
| | Eighth Department—County exhibits | 2,500 00 | |
| | Ninth Department—Miscellaneous | 127 00 | |
| | Medals, silverware, etc. | 965 04 | |
| | | | 14,256 98 |
| | *Races—1888.* | | |
| Race No. 1—Stakes | | 1,120 00 | |
| Race No. 2—Purse | | 1,200 00 | |
| Race No. 3—Purse | | 300 00 | |
| Race No. 4—Stakes and added money | | 510 00 | |
| Race No. 5—Stakes and added money | | 525 00 | |
| Race No. 6—Stakes and added money | | 850 00 | |
| Race No. 7—Purse | | 250 00 | |
| Race No. 8—Stakes and added money | | 730 00 | |
| Race No. 9—Stakes and added money | | 3,600 00 | |
| Race No. 10—Purse | | 1,000 00 | |
| Race No. 11—Stakes and added money | | 1,020 00 | |
| Race No. 12—Stakes and added money | | 1,000 00 | |
| Race No. 13—Stakes and added money | | 1,190 00 | |
| Race No. 14—Purse | | 300 00 | |
| Race No. 15—Stakes and added money | | 1,375 00 | |
| Race No. 16—Purse | | 1,080 00 | |
| Race No. 17—Purse | | 1,000 00 | |
| Race No. 18—Stakes and added money | | 365 00 | |
| Race No. 19—Stakes and added money | | 750 00 | |
| Race No. 20—Stakes and added money | | 630 00 | |
| Race No. 21—Purse | | 300 00 | |
| Race No. 22—Purse | | 1,000 00 | |
| Race No. 23—Stakes | | 650 00 | |
| Race No. 24—Purse | | 800 00 | |
| Race No. 25—Stakes and added money | | 880 00 | |
| Race No. 26—Stakes and added money | | 890 00 | |
| Race No. 27—Stakes and added money | | 605 00 | |
| Race No. 28—Stakes and added money | | 840 00 | |
| Race No. 29—Purse | | 250 00 | |
| Special | | 250 00 | |
| | | | $25,560 00 |
| | *Entrances Due.* | | |
| Sept. 15—Race No. 3—A. Tietjens, on "Ontario" | | $60 00 | |
| Race No. 7—A. Wakeman, on "Etta W." | | 25 00 | |
| Race No. 14—A. Wakeman, on "Etta W." | | 30 00 | |
| Race No. 29—A. Wakeman, on "Etta W." | | 25 00 | |
| Race No. 21—T. Bally, on "Little Phil" | | 30 00 | |
| Race No. 29—L. A. Blasingame, on "Hermes" | | 25 00 | |
| Race No. 14—B. P. Hill, on "Gladstone" | | 30 00 | |
| Race No. 14—B. P. Hill, on "Adam" | | 30 00 | |
| Race No. 21—B. P. Hill, on "Mikado" | | 30 00 | |
| Race No. 21—B. P. Hill, on "Adam" | | 30 00 | |
| Race No. 14—Robert Munroe, on "Pickpocket" | | 30 00 | |
| Race No. 21—Robert Munroe, on "Pickpocket" | | 30 00 | |
| Race No. 21—John Clark, on "Spray" | | 30 00 | |
| | | | 405 00 |
| | *Salaries.* | | |
| Edwin F. Smith, Secretary | | $2,400 00 | |
| James Muir, Janitor | | 900 00 | |
| Hiram Clock, Watchman | | 600 00 | |
| A. J. Hopper, Assistant Secretary | | 300 00 | |
| Trackman | | 587 60 | |
| | | | $4,787 60 |
| | *Bills Payable.* | | |
| D. O. Mills & Co.—Balance on note of 1884 | | $4,500 00 | |
| | | | $4,500 00 |
| | *Insurance.* | | |
| Sundry agencies, insurance on Pavilion | | $1,000 00 | |
| Sundry agencies, insurance on grand stands | | 375 05 | |
| Sundry agencies, insurance on office, etc. | | 80 00 | |
| | | | $1,455 05 |
| | Amount carried forward | | $85,490 65 |

| | | | |
|---|---|---|---|
| | Amount brought forward | | $85,490 65 |
| | *Interest.* | | |
| | D. O. Mills & Co., account old note and current account | $693 44 | |
| | California State Bank, account land purchase | 356 67 | |
| | | | $1,050 11 |
| | *Advertising.* | | |
| Mar. 15 | Spirit of the Times | $30 00 | |
| Oct. 2 | Spirit of the Times | 200 00 | |
| | Chronicle | 200 75 | |
| | Call Publishing Company | 140 60 | |
| | Daily Examiner | 133 82 | |
| | Alta Publishing Company | 79 40 | |
| | Bulletin | 95 40 | |
| | Post Publishing Company | 50 00 | |
| | Daily Report | 50 00 | |
| | Rural Press | 50 00 | |
| | Breeder and Sportsman | 242 00 | |
| | Record-Union | 206 00 | |
| | Bee | 107 00 | |
| | Nevada Transcript | 15 00 | |
| | California Patron | 45 00 | |
| | The Argonaut | 30 00 | |
| | News Letter | 25 00 | |
| | Tribune Publishing Company | 35 00 | |
| | Grass Valley Tidings | 15 00 | |
| | Stockton Independent | 15 00 | |
| | Stockton Mail | 15 00 | |
| | Los Angeles Times-Mirror | 15 75 | |
| | Daily Appeal | 14 00 | |
| | Woodland Mail | 10 00 | |
| | Woodland Democrat | 12 00 | |
| | Colusa Democrat | 12 00 | |
| | Chronicle-Record, Chico | 10 00 | |
| Oct. 4 | Fresno Expositor | 10 00 | |
| | Chico Enterprise | 10 00 | |
| | Placer Republican | 8 00 | |
| | Grass Valley Union | 8 00 | |
| | Amador Dispatch | 6 00 | |
| | Sutter Farmer | 6 00 | |
| | Dixon Tribune | 6 00 | |
| | Merced Express | 6 00 | |
| | Galt Gazette | 6 00 | |
| | Willows Journal | 6 00 | |
| | Red Bluff Sentinel | 12 00 | |
| | Placerville Observer | 6 00 | |
| | Placer Argus | 7 50 | |
| | Peoples' Cause | 8 00 | |
| | Tulare Times | 7 00 | |
| | Oroville Register | 5 00 | |
| | Benicia Era | 2 50 | |
| | | | $1,973 72 |
| | *Occident Stakes.* | | |
| | For 1888—Account collections made 1886 and 1887 | $885 00 | |
| | For 1889—Account death of entries | 35 00 | |
| | | | $920 00 |
| | *Running Stakes.* | | |
| | California Annual 1888, account declarations of 1887 | $10 00 | |
| | California Derby 1888, account declarations of 1887 | 80 00 | |
| | | | $90 00 |
| | *Bills Receivable.* | | |
| | From Sacramento Waterworks, money advanced to purchase pipe | | $201 66 |
| | *D. O. Mills & Co.* | | |
| | Payment of overdraft of 1887 | | $2,148 43 |
| | *Park and Pavilion Receipts.* | | |
| | Rebate account life memberships | | $25 00 |
| 1889. | | | |
| Jan. 31 | Cash balance | | $901 31 |
| | | | $92,800 88 |

## PARK AND PAVILION DAILY RECEIPTS.

| 1888. | Park. | Pavilion. |
|---|---|---|
| Sept. 3—Ticket sales | ---------- | $1,151 00 |
| 4—Ticket sales | ---------- | 1,124 25 |
| 5—Ticket sales | ---------- | 1,243 50 |
| 6—Ticket sales | $2,149 50 | 1,281 00 |
| 7—Ticket sales | 1,307 25 | 875 25 |
| 8—Ticket sales | 1,428 00 | 782 25 |
| 10—Ticket sales | 2,161 00 | 871 75 |
| 11—Ticket sales | 1,051 00 | 631 50 |
| 12—Ticket sales | 1,342 00 | 1,826 50 |
| 13—Ticket sales | 1,948 50 | 1,002 00 |
| 14—Ticket sales | 1,740 50 | 868 75 |
| 15—Ticket sales | 232 00 | 751 75 |
| Entry clerk certificates | 275 00 | 250 00 |
| Privileges, programmes, etc. | 8,056 45 | 906 00 |
| Office collections, account life memberships, sweepstakes, seats, and art catalogues | 702 00 | 434 30 |
| Totals | $22,393 20 | $13,999 80 |

## PROFIT AND LOSS ACCOUNT.

*Dr.*

| | | |
|---|---|---|
| Balance February 1, 1888 | $5,968 28 | |
| Building and improvements (net) | 18,642 42 | |
| Advertising | 1,973 72 | |
| Races | 8,840 00 | |
| Insurance | 1,455 05 | |
| Interest | 1,050 11 | |
| Park and Pavilion receipts, rebate | 25 00 | |
| Premiums | 14,256 98 | |
| Salaries | 4,787 60 | |
| Expense | 15,435 44 | |
| | | $72,434 60 |

*Cr.*

| | | |
|---|---|---|
| Rent | $3,950 00 | |
| Park and Pavilion receipts, Fair weeks | 36,393 00 | |
| State warrant and donated premiums | 17,570 00 | |
| Expense account, rebate | 184 63 | |
| Liabilities February 1, 1889 | 14,336 97 | |
| | | $72,434 60 |

# ANNUAL MEETING.

The Board of Directors of the State Agricultural Society held their annual meeting at the Secretary's office on Friday, January 25, 1889. Present—Directors Green, Carr, Shafter, Hancock, Cox, Swan, Perkins, Singletary, La Rue, Chase, and President Shippee.

The meeting was called to order by President Shippee.

The minutes of previous meeting were read and approved.

Mr. C. F. Swan, of Los Alamos, Santa Barbara County, who was appointed to fill the vacancy occasioned by the resignation of Mr. L. J. Rose, presented his commission and took his seat.

## REPORTS OF COMMITTEES.

The Park Committee made the following report:

MR. PRESIDENT: Your committee to whom was referred the leasing of Agricultural Park buildings for a term of one, two, or three years, beg leave to report that they duly advertised and invited bids through the public press, for a period of two weeks, the same to be received at this office at twelve o'clock M., November 20, 1888.

On said date, at the hour named, your committee met and received the bids; the pasture field being reserved the first year.

The following bids were presented:

From Robert Allen—$3,000 per year for the first year, and $3,600 for the two years following.

From Willard Gardner—$3,540 for the first year, and $4,152 for the second year.

Mr. Gardner's bid being the better one, the Secretary was directed to draw up a lease to him for two years, beginning December 1, 1888, and ending December 1, 1890, to have sureties sign, and acceptance thereof by this committee. We herewith submit said lease, duly signed and approved, and ask the Board to ratify our action.

(Signed) G. W. HANCOCK, Chairman.

Upon motion, the report was received and the action of the committee approved.

The same committee submitted a report of their action relating to the disposal of the stable manure:

MR PRESIDENT: Your committee beg leave to report that they have leased to Jacob Olsen, for a period of four years from February 1, 1888, the privilege of all the stable manure accumulating on the Park grounds during said term; he to remove the same from time to time, as directed, and to keep the grounds clear of it; the price paid to be $250 per year, in advance.

Proposals were invited by advertisement in daily papers, and two bids were received; one from C. H. Todd for $240 per year, and the one accepted. We herewith submit the lease for approval by this Board.

(Signed) G. W. HANCOCK, Chairman.

Upon motion, the report was received, and the action of the committee approved.

The annual report of the Board to the Governor of the State, and the Secretary's financial statement for the fiscal year ending January 31, 1888, were then read, adopted, and ordered to print.

A communication was received from the State Board of Trade, asking the appointment of a committee from this Board to meet with them for consultation, with reference to the holding of a State Citrus Fair, to be con-

ducted by the State Board of Agriculture, and to provide ways and means therefor. Upon motion, the President, Messrs. Green, Chase, Shafter, and the Secretary were named as such committee.

After the consideration of other matters of minor importance relating to the business of 1888, the Board proceeded to organize for 1889.

ELECTION OF OFFICERS.

The Board of 1889 is composed of the same members, Messrs. Green, Carr, and Shafter having been reappointed to succeed themselves.

The election of President being the first order of business, Director Shafter named Hon. Christopher Green, of Sacramento, for that position, saying it had been quite a number of years since this position had fallen to the lot of a member residing in Sacramento. He referred to the many years of service given the society by Mr. Green, as Director, also to the sterling qualities possessed by the gentleman for this position. He bespoke a bright future for the society under Mr. Green's guidance should he be selected.

There being no other nominations made, the Secretary was directed to cast the ballot for the Hon. Christopher Green for President, as the unanimous choice of the Board.

Hon. L. U. Shippee, the retiring President, in presenting his successor, thanked the Board for the honor they had conferred upon him by election for two successive terms, assuring them he would be found in the future as in the past, working for the interest of all concerned. He then introduced President Green, who, in assuming the chair, thanked the Board for the courtesy extended, remarking that it was the happiest moment of his life, his aspirations were fulfilled, and he hoped to receive the assistance of the entire Board in his endeavors to bring about a successful result.

Upon motion, H. M. La Rue was reëlected Superintendent of Pavilion, and G. W. Hancock Superintendent of Park.

The usual trotting stakes for two, three, and four-year olds were ordered to be opened, and close March fifteenth, with the Secretary.

The Chair named as a Committee on Speed Programme Messrs. Chase, Shippee, Hancock, La Rue, and Swan.

Upon motion, the President was added.

President Green named the following members on standing committees:

Finance—Messrs. Cox, Shippee, La Rue, Chase, and Mr. President.

Printing and Publication—Messrs. Boggs, Singletary, Shafter, Mr. President, and Secretary.

On Library—Messrs. La Rue, Perkins, Carr, Hancock, and Secretary.

After the consideration of other business relating to the Fair of 1889, the Board adjourned to meet Wednesday, March 20, 1889.

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | CLASS 1—THOROUGHBRED HORSES. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| Bay | Midlothian | Strathconan | Lifra | John Mackey | Sacramento. |
| Bay | Three Cheers | Hurrah (imp.) | Young Fashion | Thos. G. Jones | Santa Rosa. |
| | *Stallions—Two years old.* | | | | |
| Bay | Robinhood | Flood | Robin Girl | W. M. Murry | Sacramento. |
| Bay | N Y M | Shannon | Demirep | W. M. Murry | Sacramento. |
| Chestnut | Friday (imp.) | Robinson Crusoe | Beatrice | J. K. Newton | San Francisco. |
| Dark ch'nut | Fergus 2d | Fergus 1st | Romping Girl | J. K. Newton | San Francisco. |
| Bay | Silver Mine | Fergus 1st | Alsace | J. K. Newton | San Francisco. |
| Chestnut | White Stockings | Somnus | Maid of the Hills | J. K. Newton | San Francisco. |
| Sorrel | Joe Hoge | Joe Hooker | Viola R | Thos. G. Jones | Santa Rosa. |
| | *Stallions—One year old.* | | | | |
| Bay | Herzog | Norfolk | Irene Harding | W. M. Murry | Sacramento. |
| Sorrel | | Joe Hooker | By Foster | W. M. Murry | Sacramento. |
| Bay | Kingsburough, Jr. | Kingsburough | Fleetwing | J. K. Newton | San Francisco. |
| Bay | Fellowcharm | Longfellow | Trinket | L. U. Shippee | Stockton. |
| Chestnut | Major Ban | King Ban | Hearsay | L. U. Shippee | Stockton. |
| | *Mares—Four years old and over, with Colt.* | | | | |
| Chestnut | Lily H | Newry | Lizzie Hartley | Frank Lowell | Sacramento. |
| Sorrel | Lady Stacy | Wildidle | Emma Barnes | Alice M. Cutler | Sacramento. |
| | *Mares—Two years old.* | | | | |
| Chestnut | Agnes B. | Glengarry (imp.) | Ensue | L. U. Shippee | Stockton. |
| | *Mares—One year old.* | | | | |
| Chestnut | Whisban | King Ban (imp.) | Whisperine | L. U. Shippee | Stockton. |
| Chestnut | Falsalara | Falsetto | Salara (imp.) | L. U. Shippee | Stockton. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | FAMILIES. | | | | |
| | *Stallions—Other than thoroughbred, with not less than five of his Colts.* | | | | |
| Brown | Privateer | Buccaneer | Lady Narley | Henry Klemp | Pleasant Grove. |
| | Alfi | Privateer | | Henry Klemp | Pleasant Grove. |
| | Sunrise | Privateer | | Henry Klemp | Pleasant Grove. |
| | Privateer, Jr. | Privateer | | Henry Klemp | Pleasant Grove. |
| | Cleveland | Privateer | | Henry Klemp | Pleasant Grove. |
| | Frances | Privateer | | Henry Klemp | Pleasant Grove. |
| Bay | Mt. Vernon | Nutwood | By Chieftain | J. A. McCloud | Stockton. |
| | Kitty Vernon | Mt. Vernon | | J. A. McCloud | Stockton. |
| | Grace Vernon | | | J. A. McCloud | Stockton. |
| | Miss Vernon | | | J. A. McCloud | Stockton. |
| | Johnny Vernon | | | J. A. McCloud | Stockton. |
| | Billy Vernon | | | J. A. McCloud | Stockton. |
| Gray | Buccaneer, Jr. | Buccaneer | Rebecca | A. D. Miller | Walsh Station. |
| | Jeannette | Buccaneer, Jr. | | A. D. Miller | Walsh Station. |
| | Gold Drop | | | A. D. Miller | Walsh Station. |
| | Sister | | | A. D. Miller | Walsh Station. |
| | Garland | | | A. D. Miller | Walsh Station. |
| | Harry Thorpe | | | A. D. Miller | Walsh Station. |
| | *Dams—Other than thoroughbred, with not less than two of her Colts.* | | | | |
| Bay | Lady Nutwood | Nutwood | By American Boy | Ed. Topham | Milpitas. |
| | Colts, Nutgrove and Sylvia | | | Ed. Topham | Milpitas. |
| Bay | Daisy | Tecumseh | Lancet | C. Heisen | Sacramento. |
| | Colts, Prince and Champion | | | C. Heisen | Sacramento. |
| Bay | Fannie | Dave Hill | Nellie | A. D. Oakley | Sacramento. |
| | Colts, Narda and Nellie | | | A. D. Oakley | Sacramento. |
| Brown | Lucy | Hiram Moore | Copperbottom mare | Mrs. W. C. Stahl | Pleasant Grove. |
| | Colts, Sunrise and Frances | | | Mrs. W. C. Stahl | Pleasant Grove. |
| Gray | Lucy Gray | Sen. Booth | By John Rogers | A. D. Miller | Walsh Station. |
| | Colts, Luella and Nellie | | | A. D. Miller | Walsh Station. |
| Bay | Sallie Trix | Patchen Vernon | Katie Trix | Ira Pierce | San Francisco. |
| | Colts, Trix and Membrino Trix | | | Ira Pierce | San Francisco. |
| Bay | Jule and six colts | Glancer (imp.) | Brown Bess | J. Roberts | Irvington. |

CLASS II—STANDARD TROTTERS.

*Stallions—Four years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Black | Berlin | Blackbird (222) | Addie Lee (236) | H. S. Beals | Sacramento. |
| Brown | Fallis (4781) | Electioneer | Felicia | Frank Lowell | Sacramento. |
| Brown | Don Marvin (7927) | Fallis | Cora | Frank Lowell | Sacramento. |
| Black | Pasha (2039) | Sultan | Madame Baldwin | H. H. Helman | Visalia. |
| Brown | Privateer (8135) | Buccaneer | Lady Narley | Henry Klemp | Pleasant Grove. |
| Bay | Alcona, Jr. (2755) | Alcona | Madonna | J. R. Havey | San Francisco. |
| Brown | Eros | Electioneer | Sontag Mohawk | F. H. Burke | Menlo Park. |
| Gray | Rustic | Whipple's Hambletonian | By Henry Belmont | P. J. Shafter | Olema. |
| Bay | Argent | Sterling | Madame Buckner | R. H. Walton | Marysville. |
| Sorrel | Adventure | Venture | Rosedale | B. E. Harris | San Francisco. |

*Stallions—Three years old.*

| | | | | | |
|---|---|---|---|---|---|
| Sorrel | Strathway | Steinway | Countess | H. H. Helman | Visalia. |
| Chestnut | Grandee | Le Grande | Oak Grove Belle | J. Donnelly | San Mateo. |
| Brown | Charles Derby | Steinway | By Electioneer | Cook Stock Farm | Danville. |
| Black | Allen Wilkes | Membrino Wilkes | By Ethan Allen | Ira Pierce | San Francisco. |
| Bay | Credo | Prompter | Lady Narley | Dr. C. E. Pinkham | Sacramento. |

*Stallions—Two years old.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Billy Irwin | Berlin | Hambletonian mare | H. S. Beals | Sacramento. |
| Bay | Nutgrove | Grosvenor | Lady Nutwood | Ed. Topham | Milpitas. |

*Stallions—One year old.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Magister (8142) | Sterling (6223) | Lady Baldwin | S. C. Tryon | Sacramento. |
| Chestnut | Bozero (8590) | Prompter | Mary | R. A. Robinson | Sacramento. |
| Bay | Billy Vernon | Mt. Vernon | By Winthrop | J. A. McCloud | Stockton. |

*Stallions—Suckling Colts.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | | Monroe Chief | Daisy | G. W. Hancock | Sacramento. |
| Chestnut | Brentwood | Dawn | Sweetwood | B. E. Harris | San Francisco. |

*Geldings.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Shiloh | Alex Button | By Gen. Taylor | J. H. Martin | Woodland. |
| Bay | Harry Mc. | Alex Button | Rosedale | B. E. Harris | San Francisco. |

*Mares—Four years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Miller's Maid | Berlin | Mohawk Chief mare | H. S. Beals | Sacramento. |
| Bay | Lady Nutwood | Nutwood | By American Boy | Ed. Topham | Milpitas. |
| Black | Victorine | Gibraltar | By Blackbird | W. F. Smith | Sacramento. |
| Gray | Belle Blanche | The Moor | Belleview Maid | W. F. Smith | Sacramento. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| Chestnut | Trix | Whipple's Hambletonian | Sallie Trix | Ira Pierce | San Francisco. |
| Bay | Sweetwood | Nutwood | Lady Loud | B. E. Harris | San Francisco. |
| | *Mares—Two years old.* | | | | |
| Black | Araby | Berlin | Arabia | W. F. Smith | Sacramento. |
| Brown | Anna Almont | Tilton Almont | Madam Nelson | J. P. Callendin | Sacramento. |
| Bay | Ameriqueto | Eros | By Chieftain | F. H. Burke | Menlo Park. |
| Bay | Amber | Monroe Chief | By Admiral | Geo. Buckman | Sacramento. |
| Chestnut | Kitty Vernon | Mt. Vernon | By Chieftain | Geo. M. French | Stockton. |
| | *Mares—One year old.* | | | | |
| Bay | Sylvia | Grosvenor | Lady Nutwood | Ed. Topham | Milpitas. |
| Chestnut | Lady Grey | Guy Wilkes | Zephyr | Geo. W. Hancock | Sacramento. |
| Bay | Falleta | Fallis | Mabel Echo | W. F. Smith | Sacramento. |
| Brown | Lorena | Jim Mulveney | Elmorine | B. E. Harris | San Francisco. |
| | *Mares—Suckling Colts.* | | | | |
| Brown | Albina De Mer | Stamboul | Belle Blanche | W. F. Smith | Sacramento. |
| | CLASS III—ROADSTERS. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| Black | Monarch | Monarch, Jr. | Myrtle | I. N. Moddison | Washington. |
| Brown | Captain | Tom Boyd | Unknown | M. Chisholm | Madison. |
| Bay | Ben T. | Singleton | Nellie | B. F. True | Sacramento. |
| Bay | Ralph T. | Buccaneer | Nellie | B. F. True | Sacramento. |
| Bay | Harry Z | Alex Button | Lady Lightfoot | Dan. Kirkpatrick | Anderson. |
| Chestnut | George Wapple | Brigadier | Lulu | C. Sherman | Susanville. |
| Bay | George S. Evans | Mohawk Chief | By Toronto | Levi Carter | Ceres. |
| Iron gray | Barbaro | Len Rose | Barbara | C. A. Owen | Fresno. |
| Black | Black Moor | The Moor | Nellie Fuller | W. Ober | Sacramento. |
| Steel gray | Buccaneer, Jr. | Buccaneer | Rebecca | A. D. Miller | Walsh Station. |
| Bay | Little Boy | General Butler | Patchen mare | L. E. Clawson | San Francisco. |
| Bay | Corsair | Privateer | Lady Lightfoot | T. C. Snider | Washington. |
| Light gray | Elmo, Jr. | Elmo | By Belmont | R. Seale | Cottonwood. |
| | *Stallions—Three years old.* | | | | |
| Black | Peerless | Killarney | By Missouri Chief | Hugh Casey | Sacramento. |
| Bay | Almont | Marshal Almont | Nellie | G. H. Pierce | San Francisco. |

| | | | | | |
|---|---|---|---|---|---|
| Bay | Aleck | Alex Button | Dutchy | J. H. Martin | Woodland. |
| | *Stallions—Two years old.* | | | | |
| Bay | Privateer, Jr. | Privateer | Bellfounder mare | Henry Klemp | Pleasant Grove. |
| Bay | Cleveland | Privateer | Hambletonian mare | J. D. Tippins | Nicolaus. |
| Black | Berlin Prince | Berlin | Gold Dust | W. F. Smith | Sacramento. |
| Brown | Sunrise | Privateer | Lucy | Mrs. W. C. Stahl | Pleasant Grove. |
| Sorrel | Colonel | Adonis | | N. Yost | Sacramento. |
| Golden Bay | Gold Drop | Buccaneer, Jr | Eureka | A. D. Miller | Walsh Station. |
| Bay | Young Rysdyks | Hambletonian King | Clay mare | James McNasser | Sacramento. |
| | *Stallions—One year old.* | | | | |
| Brown | Nibs | Privateer | Bazaar mare | Henry Klemp | Pleasant Grove. |
| Brown | Albert | Privateer | Vibrator mare | R. B. Hall | Pleasant Grove. |
| Bay | Morgan | Adonis | | N. Yost | Sacramento. |
| Brown | Bookkeeper | Caliph | Jule | L. Whitmore | Woodland. |
| | *Stallions—Suckling Colts.* | | | | |
| Bay | Easter Wilkes | Gus Wilkes | Zephyr | G. W. Hancock | Sacramento. |
| Gray | Harry Thorpe | Buccaneer, Jr | Buttercup | A. D. Miller | Walsh Station. |
| | *Geldings.* | | | | |
| Bay | Bashaw | Charley Bashaw | | Dr. G. M. Dixon | Sacramento. |
| Gray | Haywood | Pascora Haywood | By Gray Messenger | McHugh & Malony | Fresno. |
| Bay | January | Tom Benton | By Dave Hill, Jr. | O. C. McCracken | Berkeley. |
| Gray | Johnny Skelton | Milton Medium | | J. R. Hodson | Sacramento. |
| Black | E. C. Pert | Tilton Almont | By Dave Hill | W. M Billups | Colusa. |
| Black | Hollywood | | | Miss Nellie Ryan | Sacramento. |
| Brown | Coal Oil Tommy | Privateer | Leinster mare | Henry Klemp | Pleasant Grove. |
| Chestnut | John | Longfield | By General Reno | Dr. A. M. McCollum | Sacramento. |
| Gray | Ben | George M. Patchen, Jr. | By Nutwood | A. D. Oakley | Sacramento. |
| Bay | Billy Bell | Echo, Jr. | | W. Ober | Sacramento. |
| Bay | Ben R. | Alex Button | By Berlin | B. F. Ready | Woodland. |
| Black | Nicodemus | Flying Cloud | By Eagle | C. A. Young | Sacramento. |
| Dapple gray | Victor Eagle | Gray Eagle | Messenger mare | J. J. McGrath | Marysville. |
| Brown | Tom Ryder | Alex Button | By Black Ralph | R. H. Newton | Woodland. |
| Black | Rob Roy | Black Eagle | Black Hawk mare | J. Roberts | Sacramento. |
| Gray | Viking | Rustic | By S. Stockridge Chief | P. J. Shafter | Olema. |
| | *Mares—Four years old and over.* | | | | |
| Bay | Neta | Echo | Lady Gay | F. L. Williams | Sacramento. |
| Bay | Jennie | By Bellfounder | St. Clair mare | J. L. Aldrich | Courtland. |
| Black | Maggie | Don | | M. Chisholm | Madison. |
| Bay | Emma Temple | Jackson Temple | By Emigrant | H. H. Helman | Visalia. |
| Chestnut | Crescent | Prompter | Starlight | Dr. C. E. Pinkham | Sacramento. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| Chestnut | Narda | Prompter | Fannie | A. D. Oakley | Sacramento. |
| Gray | Lady Alice | Nutwood | By State of Maine | F. H. Burke | Menlo Park. |
| Gray | Pet | | | W. H. Bradley | Sacramento. |
| Brown | Nellie Bly | | | W. H. Bradley | Sacramento. |
| Brown | Fearless | Fallis | Jeane Perault | B. E. Harris | San Francisco. |
| Bay | Dell | Black Hawk horse | | L. Whitmore | Woodland. |
| Brown | Jule | Pedro | By Norfolk | L. Whitmore | Woodland. |
| | *Mares—Three years old.* | | | | |
| Sorrel | Laxie | | Queen | M. Chisholm | Madison. |
| Bay | Mary Frances | Killarney | By Fred Low | P. Chatterton | Sacramento. |
| Black | Nellie | Berlin | Fannie | A. D. Oakley | Sacramento. |
| Iron gray | Grace Vernon | Mt. Vernon | | J. A. McCloud | Stockton. |
| Bay | H B L | Miller's Hambletonian | By Sherman Morgan | A. D. Miller | Walsh Station. |
| Bay | Cora M | Gold Nut | John Nelson mare | W. J. O'Brien | Sacramento. |
| | *Mares—Two years old.* | | | | |
| Bay | Bonnie O | Prompter | Fannie | A. D. Oakley | Sacramento. |
| Chestnut | Miss Vernon | Mt. Vernon | | J. A. McCloud | Stockton. |
| | *Mares—One year old.* | | | | |
| Bay | Frances | Privateer | Lucy | Mrs. W. C. Stahl | Pleasant Grove. |
| Brown | Adelia | Brilliant | Madame Buckner | T. C. Snider | Washington. |
| | CLASS IV—CARRIAGE TEAMS. | | | | |
| | *Matched span of Carriage Horses—Owned and used as such by one person.* | | | | |
| Black | Prince | Black Prince | | Dr. A. Lepper | Sacramento. |
| Black | Colonel | Black Prince | | Dr. A. Lepper | Sacramento. |
| Steel gray | Garland | Buccaneer | By Combination | E. M. Leitch | Sacramento. |
| Steel gray | Sister | Buccaneer | By General Taylor | E. M. Leitch | Sacramento. |
| Black | Rob Roy | Black Eagle | Black Hawk mare | J. Roberts | Sacramento. |
| Black | Kitty | Black Eagle | Black Hawk mare | J. Roberts | Sacramento. |
| Sorrel | Copper | | | A. B. McRae | Roseville. |
| Sorrel | Prince | | | A. B. McRae | Roseville. |
| Chestnut | Laura | Elmo | | J. Garrity | San Francisco. |
| Chestnut | Rodge | Elmo | | J. Garrity | San Francisco. |

| | | | | | |
|---|---|---|---|---|---|
| Gol. sorrel | Starlight | | | James McNasser | Sacramento. |
| Gol. sorrel | Silver Clift | | | James McNasser | Sacramento. |
| | CLASS V—ROADSTER TEAMS. | | | | |
| | *Double Team Roadsters—Owned and used as such by one person.* | | | | |
| Bay | Orphan Boy | Tommy Benton | By Dave Hill, Jr. | S. K. Trefry | Sacramento. |
| Bay | Walter T | Jack Nelson | St. Clair mare | S. K. Trefry | Sacramento. |
| Iron gray | Harrison | Tommy Benton | By General McClellen | J. W. Wilson | Sacramento. |
| Iron gray | Morton | | | J. W. Wilson | Sacramento. |
| Sorrel | Anna E | Tommy Benton | By McCracken's Bl'k H'k | J. L. McCord | Sacramento. |
| Sorrel | Mary Low | Tommy Benton | By Dave Hill, Jr. | J. L. McCord | Sacramento. |
| Sorrel | George | | | A. C. Tufts | Sacramento. |
| Sorrel | Frank | | | A. C. Tufts | Sacramento. |
| Black | Elmo | Privateer | Tecumseh mare | D. T. Wilson | Florin. |
| Black | Pearl | Privateer | Tecumseh mare | D. T. Wilson | Florin. |
| Iron gray | Nellie | Berlin | Lady Merwin | Wm. Coffee | Sacramento. |
| Iron gray | Mollie | Berlin | Lady Merwin | Wm. Coffee | Sacramento. |
| Bay | Success | Speculator | Thoroughbred mare | Dave Eisman | San Francisco. |
| Buckskin | May | Elmo | Whipple's Hambletonian | Dave Eisman | San Francisco. |
| Brown | Lady Washington | Nephew | By State of Maine | R. C. Sargent | Lodi. |
| Brown | George Washington | Nephew | Gilroy Belle | R. C. Sargent | Lodi. |
| Dun | Mollie | | | C. S. Clark | Sacramento. |
| Dun | Mage | | | C. S. Clark | Sacramento. |
| Cream | Roscoe | By Norfolk | | J. G. Crutchen | Woodland. |
| Cream | Seymour | By Norfolk | | J. G. Crutchen | Woodland. |
| Chestnut | Vengeance | Venture | By Belmont | Ira Pierce | San Francisco. |
| Chestnut | Setting Sun | Billy Haywood | | Ira Pierce | San Francisco. |
| Bay | Mark | Decoration | | L. Whitmore | Woodland. |
| Bay | Bonner | Almont | | L. Whitmore | Woodland. |
| | CLASS VI—HORSES OF ALL WORK. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| Sorrel | General | French Canadian horse | Clyde mare | F. L. Williams | Sacramento. |
| Bay | Peacock | Fisher's Peacock | By French Messenger | George Hack | Freeport. |
| Bay | Canadian Prince | | | G. W. Hancock | Sacramento. |
| Steel gray | Silver Leaf | Gray Eagle horse | By Rifleman | C. Heisen | Sacramento. |
| Dapple gray | Mage | Gray Eagle | Maude | W. E. Comstock | Pleasant Grove. |
| Chestnut | Clay Patchen | George M. Patchen, Jr. | Daisy, by Signal | C. L. Kincaid | Davisville. |
| Gray | Selim | Norman Wonder | | A. D. Oakley | Sacramento. |
| Steel gray | Eclipse | Prompter | Rebecca | A. D. Miller | Walsh Station. |
| Dapple gray | Prince of Marin | Crown Prince | By General McClellan | P. J. Shafter | Olema. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | *Stallions—Three years old.* | | | | |
| ..... | Tom Cooper, Jr. | Tom Cooper | By Torando | Theo. Skillman | Petaluma. |
| Bay | Emperor | Peacock | Hambletonian mare | D. R. Hunt | Freeport. |
| | *Stallions—Two years old.* | | | | |
| Brown | Hugh | Privateer | Vibrator mare | R. B. Hall | Pleasant Grove. |
| Black | Johnny Vernon | Mount Vernon | By son of Henry Clay | J. A. McCloud | Stockton. |
| Sorrel | Cellem | Miller's Hambletonian | By Combination | P. Russell | Brighton. |
| Black | Young Prince | Black Prince (imp.) | Moroe | James McNasser | Sacramento. |
| | *Stallions—One year old.* | | | | |
| Sorrel | Seeby | Dave Hill | By Young Chieftain | Jos. Heintz | Sacramento. |
| Bay | D G T | Prompter | Nellie | D. G. Tilton | Nicolaus. |
| | *Stallions—Under one year.* | | | | |
| Silver gray | Pat | Gray Eagle | Sallie | John J. Gardner | Antelope. |
| Bay | Daylight | Prompter | Nellie | D. G. Tilton | Nicolaus. |
| Gray | Major | Gray Eagle | Queen | Jacob Heintz | Sacramento. |
| | *Mares—Four years old and over, with Colt.* | | | | |
| Iron gray | Susie Memford and colt | Messenger | By Signal | Robt. Gourlie | Freeport. |
| Bay | Pet and colt | ..... | ..... | H. H. Wilson | Nicolaus. |
| Sorrel | Mary and colt | ..... | ..... | H. H. Wilson | Nicolaus. |
| Bay | Nellie and colt | St. Clair | Duroc mare | D. G. Tilton | Nicolaus. |
| Brown | Lena Leinster and colt | Leinster | By Nelson | W. E. Comstock | Pleasant Grove. |
| Sorrel | Nellie A and colt | Brick | Jennie Gibson | J. H. Allen | Sacramento. |
| Bay | Buttercup and colt | Prompter | Puss, by Combination | A. D. Miller | Walsh Station. |
| | *Mares—Four years old.* | | | | |
| Bay | Maude | By Duroc horse | Nellie | D. G. Tilton | Nicolaus. |
| Gray | Lucy Gray | Combination | By John Rogers | A. D. Miller | Walsh Station. |
| Sorrel | Dolly Douglas | Jim Douglas | Coley | E. Comstock | Sacramento. |
| | *Mares—Three years old.* | | | | |
| Sorrel | Daisy | Vibrator | Daisy | R. G. McKenzie | Nicolaus. |
| Steel gray | Luella | Miller's Hambletonian | Lucy Gray | A. D. Miller | Walsh Station. |
| Black | Jeannette | Buccaneer, Jr. | Puss | A. D. Miller | Walsh Station. |

| | | | | | |
|---|---|---|---|---|---|
| | *Mares—Two years old.* | | | | |
| Bay | Sallie | Peacock | By Fred Low | Robt. Gourlie | Freeport. |
| Black | Annie Laurie | Prompter | Pet | H. H. Wilson | Nicolaus. |
| Bay | Jennie T | Prompter | Annie | D. G. Tilton | Nicolaus. |
| Steel gray | Topsy | Gray Eagle | Black Ralph mare | W. E. Comstock | Pleasant Grove. |
| | *Mares—One year old.* | | | | |
| Steel gray | Nellie Henrich | Buccaneer, Jr. | By Norwood | Robt. Gourlie | Freeport. |
| Dark bay | Nellie | Miller's Hambletonian | Lucy Gray | A. D. Miller | Walsh Station. |
| | *Mares—Suckling Colts.* | | | | |
| Bay | Myrtle | Lord Derby | Pet | H. H. Wilson | Nicolaus. |
| Sorrel | Marguerite | Little Jim | Mary | H. H. Wilson | Nicolaus. |
| Brown | Maude | Gray Eagle | Lena Leinster | W. E. Comstock | Pleasant Grove. |
| | CLASS VII—DRAFT HORSES—NORMANS. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| Gray | Bidel | | | L. E. McMahon & Son | Dixon. |
| Black | Vivien | | | William Curtis | Sacramento. |
| | *Stallions—Three years old.* | | | | |
| Black | Attila (imp.) | Cheri | Rosette | H. Wilsey | Petaluma. |
| | *Stallions—Two years old.* | | | | |
| Black | Victor | Taupen | Bourotte | H. Wilsey | Petaluma. |
| Brown bay | Durand | Topin | Mignonne | H. Wilsey | Petaluma. |
| Gray | Prince | Pier | By Monarch | W. E. Proctor | Woodland. |
| Brown | Frank Pixley | Debonaire | Biche | F. B. Chandler | Elmira. |
| | *Stallions—One year old.* | | | | |
| Gray | Shasta | Duke of Morris | Biche | F. B. Chandler | Elmira. |
| | *Stallions—Under one year.* | | | | |
| Bay | Ko-Ko | Dampier | Biche | F. B. Chandler | Elmira. |
| | *Mares—Four years old and over, with Colt.* | | | | |
| Black | Maggie and colt | St. Cloud | By Black Prince | F. B. Dodge | Binghamton. |
| | *Mares—Four years old and over.* | | | | |
| Sorrel | Biche | | | F. B. Chandler | Elmira. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | *Mares—Sucking Colts.* | | | | |
| Gray | Magnolia | Duke of Morris | Maggie | F. B. Dodge | Binghamton. |
| | CLASS VIII—DRAFT HORSES—PERCHERONS. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| | Hercule (imp.) | | | Theo. Skillman | Petaluma. |
| Black | Luneville | Brilliant | Rose | John Seaward | Wheatland. |
| Black | Solon | Ko-Ko | Soule | H. Wilsey | Petaluma. |
| | CLASS IX—DRAFT HORSES—CLYDESDALES. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| Bay | Marquis of Lorne | Marquis of Graham | Nancy | W. H. Blackford | Grand Island. |
| Black bay | Pride of Cree | The Mainsteg | Bell | C. H. Gemmill | Santa Rosa. |
| Bay | Duke | Ben Lomond (imp.) | Jule | James Roberts | Irvington. |
| | *Stallions—Two years old.* | | | | |
| Bay | Lord McDuff, Jr. | Lord McDuff | Kit | H. Wilsey | Petaluma. |
| Bay | Prince | Ben Lomond (imp.) | Jule | James Roberts | Irvington. |
| | *Stallions—One year old.* | | | | |
| Bay | Jubilee | Exchange (imp.) | Jule | James Roberts | Irvington. |
| | *Stallions—Under one year old.* | | | | |
| Bay | Plunger | Exchange (imp.) | Jule | James Roberts | Irvington. |
| | *Mares—Four years old and over, with Colt.* | | | | |
| Bay | Julia and colt | Glancer (imp.) | Bess | James Roberts | Irvington. |
| | *Mares—Four years old and over.* | | | | |
| Bay | Damsel | Ben Lomond (imp.) | Jule | James Roberts | Irvington. |
| | *Mares—Three years old.* | | | | |
| Bay | Dolly | Ben Lomond (imp.) | Jule | James Roberts | Irvington. |

CLASS X—DRAFT HORSES—OTHER THAN NORMANS, PERCHERONS, OR CLYDESDALES.

*Stallions—Four years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Brown | Young Donald Dinnie | Donald Dinnie | Maggie | I. N. Moddison | Washington. |
| Brown | Earl of Derby | Lord Derby | Fannie | R. J. McKenzie | Nicolaus. |
| Gray | French Lion | Normandy (imp.) | By Wm. Wallace | Thomas Ross | Sacramento. |
| Bay brown | Brown Prince | | | H. Wilsey | Petaluma. |
| Sorrel | Pioneer | | | Robert I. Orr | Hollister. |
| Gray | Wide Wake | Wide Wake, Sr. | Maid of France | Levi Carter | Ceres. |
| Gray | St. Lawrence | St. Lawrence | Nellie | R. J. Merkeley | Sacramento. |
| Gray | White King, Jr. | White King (imp.) | English mare (imp.) | P. M. Warn | Sacramento. |

*Stallions—Three years old.*

| | | | | | |
|---|---|---|---|---|---|
| Sorrel | Salsbury | | | Robert I. Orr | Hollister. |
| Black | St. Cloud, Jr. | St. Cloud | May | W. E. Comstock | Pleasant Grove. |
| Black | Bonneville | Luneville | Nance | A. W. Oakley | Wheatland. |
| Black | Frank | Luneville | Belle | A. W. Oakley | Wheatland. |
| Gray | Vandee, Jr. | Vandee | Nellie | R. J. Merkeley | Sacramento. |

*Stallions—Two years old.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Brilliant | Luneville | Magnolia | John Seaward | Wheatland. |
| Gray | Monarch | Dumas | Juanita | R. J. Merkeley | Sacramento. |
| Black | Victor | Dumas | Fanchon | R. J. Merkeley | Sacramento. |

*Stallions—One year old.*

| | | | | | |
|---|---|---|---|---|---|
| Black | Prince | Silver Leaf | Daisy | C. Heisen | Sacramento. |
| Gray | Dumas, Jr. | Dumas | Nellie | R. J. Merkeley | Sacramento. |
| Gray | Johnny | St. Lawrence | Polly | R. J. Merkeley | Sacramento. |
| Bay | Bertem, Jr. | Bertem, Sr. | Polly | J. Grubbs | Oroville. |

*Stallions—Under one year.*

| | | | | | |
|---|---|---|---|---|---|
| Sorrel | Champion | Silver Leaf | Daisy | C. Heisen | Sacramento. |
| Sorrel | Dan | By John Bull | Messenger mare | Robert Gourlie | Freeport. |

*Mares—Four years old and over, with Colt.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Daisy and colt | Tecumseh Morgan | Lancett's Bellfounder | C. Heisen | Sacramento. |
| Black | Fanchon and colt | Normandy | Nellie | R. J. Merkeley | Sacramento. |

*Mares—Four years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Daisy | Honest Tom | Fannie | H. H. Wilson | Nicolaus. |

*Mares—Three years old.*

| | | | | | |
|---|---|---|---|---|---|
| Bay | Jennie | Honest Tom | Fannie | H. H. Wilson | Nicolaus. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | *Mares—Two years old.* | | | | |
| Black | Queen | Hanson | Madame | H. H. Wilson | Nicolaus. |
| | *Mares—One year old.* | | | | |
| Black | Nellie | Debonaire | Fanchon | R. J. Merkeley | Sacramento. |
| | *Mares—Under one year.* | | | | |
| Brown | Queen | Salvator | Fanchon | R. J. Merkeley | Sacramento. |
| Bay | Helen | Salvator | Nellie 1st | R. J. Merkeley | Sacramento. |
| | CLASS XI—SADDLE HORSES. | | | | |
| | *Horse, Mare, or Gelding.* | | | | |
| Bay | | | | B. C. Trefry | Sacramento. |
| Black | Estella | | | W. H. Blackford | Grand Island. |
| | Do Do | | | Felix Smith | Sacramento. |
| Gray | Hancock | | | J. B. Haggin | Sacramento. |
| Bay | Scott | Smuggler, Jr. | Primrose | B. E. Harris | San Francisco. |
| Brown | Allen | Irwin Davis | By Belmont | B. E. Harris | San Francisco. |
| Black | Bruce | Black Ralph | Sylph | B. E. Harris | San Francisco. |
| | CLASS XII—SWEEPSTAKES. | | | | |
| | *Stallions.* | | | | |
| C. bay | Royal Studley | Young Candidate | By Whalebone | Cook Stock Farm | Danville. |
| C. bay | Baron Hilton | Lucksall | By Sportsman | Cook Stock Farm | Danville. |
| C. bay | Nonpareil | Emperor | By Benefit | Cook Stock Farm | Danville. |
| Bay | Midlothian | Strathconan | Lifra | John Mackey | Sacramento. |
| | *Mares.* | | | | |
| Black | Victorine | Gibraltar | By Blackbird | W. F. Smith | Sacramento. |
| Chestnut | Trix | Whipple's Hambletonian | Sallie Trix | Ira Pierce | San Francisco. |
| Sorrel | Dolly Douglas | Jim Douglas | Coley | E. Comstock | Sacramento. |
| | CLASS XIII—JACKS, JENNIES, ETC. | | | | |
| | *Jacks—Four years old and over.* | | | | |
| Black gray | Richard Fox | | | S. Parker | Rocklin. |
| Mouse | Beecher | Peacock | Black Warrior | H. W. Jeans | Blocksburg. |

| | | | | | |
|---|---|---|---|---|---|
| Black | Black Warrior | Madison | | H. P. Merritt | Woodland. |
| | *Jacks—Two years old.* | | | | |
| Black | Washington Eclipse, Jr. | Washington Eclipse | Julia | Levi Carter | Ceres. |
| | *Mules—Matched span, three years old and over, California bred.* | | | | |
| Brown | Blaze | Samson | Fannie | H. H. Wilson | Nicolaus. |
| Brown | Jeff | Samson | Fannie | H. H. Wilson | Nicolaus. |
| Bay | Dollie | Samson | Pet | H. H. Wilson | Nicolaus. |
| Bay | Nellie | Samson | Nellie | H. H. Wilson | Nicolaus. |
| | *Mules—Two years old.* | | | | |
| Black | Lize | Jumbo | | Henry Klemp | Pleasant Grove. |
| Bay | Mag | Jumbo | | Henry Klemp | Pleasant Grove. |
| | *Mules—One year old.* | | | | |
| Black | Nell | Jumbo | | Henry Klemp | Pleasant Grove. |
| | SPECIAL CLASS—FOR CLEVELAND BAYS AND FRENCH COACH HORSES. | | | | |
| | *Stallions—Four years old and over.* | | | | |
| French Ch. | Vindicator | | | Theo. Skillman | Petaluma. |
| French Ch. | Gautelet | | | Theo. Skillman | Petaluma. |
| Clevel'd Bay | Royal Studley (68) | Young Candidate | By Whalebone | Cook Stock Farm | Danville. |
| Clevel'd Bay | Baron Hilton (584) | Lucksall | By Sportsman | Cook Stock Farm | Danville. |
| Clevel'd Bay | Duke of York (72) | Paulenus | By Pettinger | Cook Stock Farm | Danville. |
| Clevel'd Bay | Saxon Prince (83) | Sportsman | By Brilliant | Cook Stock Farm | Danville. |
| Clevel'd Bay | Nonpariel (36) | Emperor | By General Benefit | J. C. Storm | Salinas. |
| Bay | Gallian (imp.) | Imported | | Theo. Skillman | Petaluma. |
| | *Stallions—Three years old.* | | | | |
| Clevel'd Bay | Barrington | Prince of Cleveland | By Lilt | Cook Stock Farm | Danville. |
| Clevel'd Bay | General (249) | Salesman | By Barnady | Cook Stock Farm | Danville. |
| Clevel'd Bay | Bonanza (246) | General | By Field Marshal | Cook Stock Farm | Danville. |

FIRST DEPARTMENT—Continued.

CATTLE.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | CLASS I—DURHAMS. | | | | |
| | *Bulls—Three years old and over.* | | | | |
| Red | Mugwump | Kirklevington Carol | Belle Medico | Wilfred Page | Penn's Grove. |
| Red | Oxford Duke 2d (53048) | Oxford Duke (53040) | Xylopia 5th | William Jacobs | Sacramento. |
| Red | Counselor (73503) | Commissioner (34824) | Beauty 2d Maid | P. Peterson | Sites. |
| Red | Josephus (70332) | 3d Thorndale Duke (7080) | Sadie Mason 6th | R. J. Merkeley | Sacramento. |
| Red | Keweah Duke | Henrietta's Duke (38754) | Miss Leslie 5th | R. J. Merkeley | Sacramento. |
| Red | Kirklevington Oxford Count (36723) | Kirklev'ton Duke 2d (32890) | Wild Eyes Craggs 2d | P. S. Childs | Davisville. |
| Red | 3d Kirklevington of For. Home (63259) | Duke of Kirklev'ton (51123) | Oxford Rose 3d | Coleman Younger | San José. |
| Red | 5th Kirklevington of For. Home (63261) | Duke of Kirklev'ton (51123) | Jessie Maynard | Coleman Younger | San José. |
| | *Bulls—Two years old.* | | | | |
| Roan | Holdfast | Sonoma Chief | Lady Harriet | Wilfred Page | Penn's Grove. |
| Red | Protector | Cherry Prince (59128) | Mazourka Caroline | Wilfred Page | Penn's Grove. |
| Red | Rogue | Cherry Prince (59128) | Rhoda | Wilfred Page | Penn's Grove. |
| | *Bulls—One year old.* | | | | |
| Red and wh. | Belt | Cherry Prince (59128) | Belle Christmas | Wilfred Page | Penn's Grove. |
| Red and wh. | Sonberry | Sonoma 2d | Belle Strawberry | Wilfred Page | Penn's Grove. |
| Red | Blood | Catchpenny (59107) | Belle Wilfred | Wilfred Page | Penn's Grove. |
| Red and wh. | Cheeseit | Cherry Prince (59128) | Buttermilk | Wilfred Page | Penn's Grove. |
| Roan | Parson | Cherry Prince (59128) | Belle Kirk | Wilfred Page | Penn's Grove. |
| Roan | Princeps | Cherry Prince (59129) | Belle Princess | Wilfred Page | Penn's Grove. |
| Red | Sullivan (89617) | Counselor (73503) | 2d Belle of Antelope (16460) | P. Peterson | Sites. |
| Red | Maylook (87996) | Counselor (73503) | 5th Belle of Antelope (47992) | P. Peterson | Sites. |
| Red | Syoc (89642) | Counselor (73503) | Belle of Antelope (33954) | P. Peterson | Sites. |
| Red | Hermit Kirke | Hermit Duke | Hazel Kirke | P. H. Murphy | Brighton. |
| Red | Hermit Belle Duke | Hermit Duke | Linda Belle | P. H. Murphy | Brighton. |
| Red | Marandis Duke of Brighton | Hermit Duke | Marandi 14th | P. H. Murphy | Brighton. |
| Red | Marvelous | Beaumont 7th | Rosa Belle 3d | P. H. Murphy | Brighton. |
| Red | Sir William | Josephus (70332) | Red Edith 2d | R. J. Merkeley | Sacramento. |
| Red | Boruck | Josephus (70332) | May Girl | R. J. Merkeley | Sacramento. |
| Red | 26th Kirklevington of Forest Home | 5th Kirklevington of F. H. | 10th Rose of Forest Home | C. Younger & Son | San José. |
| Red | Mazurka Duke | | | Bridgford & Mulligan | Colusa. |

*Bulls—Calves.*

| | | | | | |
|---|---|---|---|---|---|
| Red | Gilt Edge | Royal Duke (61001) | Gold Dust | Wilfred Page | Penn's Grove. |
| Red and wh. | To-morrow | Royal Duke (61001) | Caroline Sutherland | Wilfred Page | Penn's Grove. |
| Red | Pickrell | Sonoma Chief | Caroline Pickrell | Wilfred Page | Penn's Grove. |
| Roan | Sharon Duke | 5th Airdrie of Sharon | Dollie | Wm. Jacobs | Sacramento. |
| Red | Czar Duke | The Czar | Cynthia 2d | Wm. Jacobs | Sacramento. |
| Red | | The Czar | Xylopia 8th | Wm. Jacobs | Sacramento. |
| Red and wh. | | The Czar | Xylopia 6th | Wm. Jacobs | Sacramento. |
| Red | | 5th Airdrie of Sharon | Lillie Belle Geneva | Wm. Jacobs | Sacramento. |
| Red | Chancellor | Counselor (73503) | 2d Belle of Antelope | P. Peterson | Sites. |
| Red | Cavalier | Counselor (73503) | 4th Belle of Antelope | P. Peterson | Sites. |
| Red | Mikado | Counselor (73503) | 5th Belle of Antelope | P. Peterson | Sites. |
| Red | Ben Hur | Counselor (73503) | Nettie P | P. Peterson | Sites. |
| Red | Grover C | Counselor (73503) | Alida P | P. Peterson | Sites. |
| Red | Robert I | Counselor (73503) | Jennie McL | P. Peterson | Sites. |
| Red | Uno | Counselor (73503) | Red Mollie | P. Peterson | Sites. |
| Red | Oliver Twist | Counselor (73503) | 7th Belle of Antelope | P. Peterson | Sites. |
| Red | Shakespeare | Josephus (70332) | Polly | R. J. Merkeley | Sacramento. |
| Red | Don Juanaris | Josephus (70332) | Red Edith 2d | R. J. Merkeley | Sacramento. |
| Red | Harrison | Josephus (70332) | Helen 2d | R. J. Merkeley | Sacramento. |
| Red | Sultan | Josephus (70332) | Ruby | R. J. Merkeley | Sacramento. |
| Red | Sheridan | Josephus (70332) | Maybell | R. J. Merkeley | Sacramento. |
| Red | Morton | Josephus (70332) | Ruby 3d | R. J. Merkeley | Sacramento. |
| Red | Ben Hur | Josephus (70332) | Red Edith 3d | R. J. Merkeley | Sacramento. |
| Red | Red Prince 2d | Duke of California | Daisy | P. S. Childs | Davisville. |
| Red | Prince 3d | Duke of California | Nellie | P. S. Childs | Davisville. |
| Red | 43d Kirklevington of Forest Home | 3d Kirklevington of F. H. | Jessie Maynard 3d | C. Younger & Son | San José. |

*Cows—Three years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Red | Belle Medico | El Medico (59730) | Belle Napier | Wilfred Page | Penn's Grove. |
| Roan | Maita | Kirklevington Pri'ce (60216) | Madie | Wilfred Page | Penn's Grove. |
| Red | Henrietta Page | Sonoma (18356) | Rose of Sonoma | Wilfred Page | Penn's Grove. |
| Roan | Belle Strawberry | Cherry Prince (59128) | Rosabella | Wilfred Page | Penn's Grove. |
| Red | Lone Butterfly | Duke Butterfly (43345) | Happy Mary | Wm. Jacobs | Sacramento. |
| Roan | Oxford Myrtle 7th | 28th Duke of Airdrie (32187) | Oxford Myrtle 4th | Wm. Jacobs | Sacramento. |
| Red | Xylopia 6th | Logan (39629) | Xylopia 5th | Wm. Jacobs | Sacramento. |
| Roan | Duchess of Durham | Viscount (54202) | Duchess of Durham 14th | Wm. Jacobs | Sacramento. |
| Red | Rosa Bella 2d | Marvel (12409) | Rosabella | Wm. Jacobs | Sacramento. |
| Red | Red Duchess of Cedar | 7th Duke of Sharon (43528) | The Red Duchess | Wm. Jacobs | Sacramento. |
| Red | 3d Belle of Antelope | 3d Duke Manch'ter (47992) | 3d Belle of Antelope | P. Peterson | Sites. |
| Red | 4th Belle of Antelope | 3d Duke Manch'ter (47992) | Belle of Antelope | P. Peterson | Sites. |
| Red | Mountain Maid | 3d Duke Manch'ter (47992) | 2d Belle of Antelope | P. Peterson | Sites. |
| Red | Rosely K | Hancock (43911) | 2d Belle of Antelope | P. Peterson | Sites. |
| Red | Linda Belle | 6th Red Thorndale | Marandi 14th | P. H. Murphy | Brighton. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| Red | Hazel Kirke | 6th Red Thorndale | Marandi 14th | P. H. Murphy | Brighton. |
| Red | Ellen Dale | 6th Red Thorndale | Marandi 14th | P. H. Murphy | Brighton. |
| Red | Princess | Josephus | Marandi 14th | P. H. Murphy | Brighton. |
| Red | Belle 27th | Kirklev'ton Duke 2d (3289) | Belle 14th | P. S. Childs | Davisville. |
| Red | Hattie | R'n Duchess Oxford (11381) | Hattie James 4th | P. S. Childs | Davisville. |
| Red | Jessie Maynard 3d | Duke of Kirklev'ton (51123) | Jessie Maynard | C. Younger & Son | San José. |
| Red | 4th Belle of F. H | Forest King (46079) | 2d Belle of Avon Ranch | C. Younger & Son | San José. |
| Red | Manunga | El Medico (59930) | Marica | Bridgford & Mul-ligan | Colusa. |
| Red | Lucy Jane | Airdrie Jackson (28418) | Lady Oxford | Bridgford & Mul-ligan | Colusa. |
| | *Cows—Two years old.* | | | | |
| Roan | Christmas Eve | Cherry Prince | Belle Christmas | W. Page | Penn's Grove. |
| Red and wh. | Enriqueta | Cherry Prince | Henrietta Page | W. Page | Penn's Grove. |
| Red | Belle of the Oaks | Sonoma Chief | Belle Medico | W. Page | Penn's Grove. |
| Red and wh. | Lucy Richland | Baron Bright Eyes (37534) | Lucy Sims 2d | W. Jacobs | Sacramento. |
| Red and wh. | Blossom | Baron Bright Eyes | Blossom of Richland | W. Jacobs | Sacramento. |
| Red | Nettie P | Hancock (43911) | 5th Belle of Antelope | P. Peterson | Sites. |
| Red | Rosabella 8th | Beaumont 7th | Rosabelle 4th | P. H. Murphy | Brighton. |
| Red roan | Jessie Maynard 4th | Duke of Kirklevington | Jessie Maynard | C. Younger & Son | San José. |
| Red roan | Amelia 12th | 5th Kirklevington of F. H | Amelia 10th | C. Younger & Son | San José. |
| | *Cows—One year old.* | | | | |
| Red and wh | Goldnut | Sonoma Chief | Goldvein | Wilfred Page | Penn's Grove. |
| Roan | Zuleika | Sonoma Chief | Zurka Princess | Wilfred Page | Penn's Grove. |
| Roan | Ashburner Lass | Cherry Prince | Lady Ashburner | Wilfred Page | Penn's Grove. |
| Red | Lena 6th | Susie Kirklevington | Lena 2d | Wm. Jacobs | Sacramento. |
| Red | Rose 17th | Oxford Duke 2d | Rose 6th | Wm. Jacobs | Sacramento. |
| Red | Mattie Miller 38th | Oxford Duke 2d | Mattie Miller 23d | Wm. Jacobs | Sacramento. |
| Red | Mattie Miller 39th | Oxford Duke 2d | Mattie Miller 9th | Wm. Jacobs | Sacramento. |
| Red | Mattie Miller 40th | Oxford Duke 2d | Mattie Miller 6th | Wm. Jacobs | Sacramento. |
| Red | Patty | Counselor | 5th Belle of Antelope | P. Peterson | Sites. |
| Red | 2d Rosely K | Counselor | Rosely K | P. Peterson | Sites. |
| Red | Ruby B | Rowena's Duke of Airdrie | Leonora B | P. Peterson | Sites. |
| Red | True B | Rowena's Duke of Airdrie | Allie B | P. Peterson | Sites. |
| Red | Rose Jennie | Gallareh Duke | Rose Emma | P. H. Murphy | Brighton. |
| Red | Lady Knox of M F | Baron of Airdrie | Lady Knox | P. H. Murphy | Brighton. |
| Red | Jane | Josephus | Alice | R. J. Merkeley | Sacramento. |
| Red | Lottie | Josephus | Helen R | R. J. Merkeley | Sacramento. |

| | | | | | |
|---|---|---|---|---|---|
| Red and wh | Violet | Josephus | Mary Girl | R. J. Merkeley | Sacramento. |
| Red roan | Oxford Rose 11th | Duke of Kirklevington | Oxford Rose 3d | C. Younger & Son | San José. |
| White | Nevada Belle 8th | 3d Kirklevington of F. H. | Nevada Belle | C. Younger & Son | San José. |
| Red | Manunga 2d | Catchpenny | Manunga | Bridgford & Mulligan | Colusa. |
| | *Cows—Heifer Calves.* | | | | |
| Roan | Manuela | Sonoma 2d | Maita | W. Page | Penn's Grove. |
| Red | Sweet Milk | Mugwump | Dairy Maid 4th | W. Page | Penn's Grove. |
| Red | Oxford Myrtle 8th | Double Gloster (imp.) | Oxford Myrtle 7th | Wm. Jacobs | Sacramento. |
| Red | Lucy Barrington | 2d Earl of Aberdeen | Mary Barrington | Wm. Jacobs | Sacramento. |
| Red | Delia 3d | 5th Airdrie of Sharon | Delia | Wm. Jacobs | Sacramento. |
| Red | 8th Belle of Antelope | Counselor | Belle of Antelope | P. Peterson | Sites. |
| Red | 3d Rosely K | Counselor | Rosely K | P. Peterson | Sites. |
| Red | Edith 5th | Josephus | Alice | R. J. Merkeley | Sacramento. |
| Red | Carroll | Josephus | Edith Elkin | R. J. Merkeley | Sacramento. |
| Red | Natalie | Josephus | Ruby 2d | R. J. Merkeley | Sacramento. |
| Red | Lola | Josephus | Red Edith 4th | R. J. Merkeley | Sacramento. |
| Red | Girofla 2d | Josephus | Girofla | R. J. Merkeley | Sacramento. |
| Red | Fanchon | Josephus | Alice | R. J. Merkeley | Sacramento. |
| Red | Red Rose | Kirklevington Oxf'd Count | Flora 16th | P. S. Childs | Davisville. |
| Red | Gussie | Kirklevington Oxf'd Count | Cora | P. S. Childs | Davisville. |
| Red | 20th Rose of Forest Home | 5th Kirklevington of F. H. | 21st Rose of Forest Home | C. Younger & Son | San José. |
| Red roan | Oxford Rose 12th | 5th Kirklevington of F. H. | Oxford Rose 6th | C. Younger & Son | San José. |
| Red roan | Manunga 3d | Counselor | Manunga | Bridgford & Mulligan | Colusa. |
| | *Sweepstakes—Bull of any age.* | | | | |
| Red | Mugwump | Kirklevington Carol | Belle Medico | W. Page | Penn's Grove. |
| Red | Counselor | Commissioner | Beauty 2d Maid | P. Peterson | Sites. |
| Red | Kirklevington Oxford Count | Duke of Kirklevington 2d | Wild Eyes Craggs 2d | P. S. Childs | Davisville. |
| Red | 3d Kirklevington of Forest Home | Duke of Kirklevington | Oxford Rose 3d | C. Younger & Son | San José. |
| Red | Mazurka Duke | | | Bridgford & Mulligan | Colusa. |
| Red | Oxford Duke 2d | Oxford Duke | Xylopia 5th | Wm. Jacobs | Sacramento. |
| | *Sweepstakes—Cow of any age.* | | | | |
| Roan | Maita | Kirklevington Prince | Madie | Wilfred Page | Penn's Grove. |
| Roan | Belle Strawberry | Cherry Prince | Rosa Belle | Wilfred Page | Penn's Grove. |
| Roan | Jessie Maynard 4th | Duke of Kirklevington | Jessie Maynard | C. Younger & Son | San José. |
| Red roan | Oxford Rose 11th | Duke of Kirklevington | Oxford Rose 3d | C. Younger & Son | San José. |
| Red roan | Manunga | | | Bridgford & Mulligan | Colusa. |
| Red roan | Manunga 2d | Catchpenny | Manunga | Bridgford & Mulligan | Colusa. |
| Red roan | Xylopia 6th | Logan | Xylopia 5th | Wm. Jacobs | Sacramento. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| Red roan | Belle 27th | Kirklevington Duke 2d | Belle 15th | P. S. Childs | Davisville. |
| Red | Hattie | Roan Duchess Oxford | Hattie James 14th | P. S. Childs | Davisville. |
| | *Herds—Over two years old.* | | | | |
| | Bull—Mugwump | Kirklevington Carol | Belle Medico | W. Page | Penn's Grove. |
| | Cows—Maita | Kirklevington Prince | Madie | W. Page | Penn's Grove. |
| | Belle Strawberry | Cherry Prince | Rosa Bella | W. Page | Penn's Grove. |
| | Belle Medico | El Medico | Belle Napier | W. Page | Penn's Grove. |
| | Henrietta Page | Sonoma | Rose of Sonoma | W. Page | Penn's Grove. |
| | Bull—Counselor | Commissioner | Beauty 2d Maid | P. Peterson | Sites. |
| | Cows—3d Belle of Antelope | 3d Duke of Manchester | Belle of Antelope | P. Peterson | Sites. |
| | 4th Belle of Antelope | 3d Duke of Manchester | Belle of Antelope | P. Peterson | Sites. |
| | Mountain Maid | 3d Duke of Manchester | 2d Belle of Antelope | P. Peterson | Sites. |
| | Rosely K | Hancock | 2d Belle of Antelope | P. Peterson | Sites. |
| | Bull—Kirklevington Oxford Count | Kirklevington Duke 2d | Wild Eyes Craggs | P. S. Childs | Davisville. |
| | Cows—Belle 27th | Kirklevington Duke 2d | Belle 14th | P. S. Childs | Davisville. |
| | Hattie | Roan Duchess Oxford | Hattie James 4th | P. S. Childs | Davisville. |
| | Flora 16th | Kirklivington Duke 2d | Flora 2d | P. S. Childs | Davisville. |
| | Burnetta 7th | Roan Duchess Oxford | Burnetta 2d | P. S. Childs | Davisville. |
| | Bull—3d Kirkley'ton of Forest Home | Duke of Kirklevington | Oxford Rose 3d | C. Younger & Son | San José. |
| | Cows—Jessie Maynard 3d | Duke of Kirklevington | Jessie Maynard | C. Younger & Son | San José. |
| | Jessie Maynard 4th | Duke of Kirklevington | Jessie Maynard | C. Younger & Son | San José. |
| | Amelia 12th | 5th Kirklevington of F. H. | Amelia 11th | C. Younger & Son | San José. |
| | 4th Belle of Forest Home | Forest King | 2d Belle of Avon Ranch | C. Younger & Son | San José. |
| | Bull—Belt | Cherry Prince | Belle Christmas | W. Page | Penn's Grove. |
| | Cows—Zuleika | Sonoma Chief | Zurka Princess | W. Page | Penn's Grove. |
| | Goldnut | Sonoma Chief | Goldvein | W. Page | Penn's Grove. |
| | Ashburner Lass | Cherry Prince | Lady Ashburner | W. Page | Penn's Grove. |
| | Sweetmilk | Mugwump | Dairy Maid 4th | W. Page | Penn's Grove. |
| | Bull—Syoe | Counselor | Belle of Antelope | P. Peterson | Sites. |
| | Cows—2d Rosely K | Counselor | Rosely K | P. Peterson | Sites. |
| | Ruby B | Rowena's D. of Airdrie 3d | Leonora B | P. Peterson | Sites. |
| | True B | Rowena's D. of Airdrie 3d | Allie B | P. Peterson | Sites. |
| | Patty | Counselor | 5th Belle of Antelope | P. Peterson | Sites. |
| | Bull—26th Kirklevington of F. H. | 5th Kirklevington of F. H. | 10th Rose of Forest Home | P. Peterson | Sites. |
| | Cows—Oxford Rose 11th | Duke of Kirklevington | Oxford Rose 3d | P. Peterson | Sites. |
| | Oxford Rose 12th | 5th Kirklevington of F. H. | Oxford Rose 6th | P. Peterson | Sites. |
| | 28th Rose of Forest Hill | 5th Kirklevington of F. H. | 2d Rose of Forest Home | P. Peterson | Sites. |
| | Red Dolly 27th | 5th Kirklevington of F. H. | Red Dolly 2d | P. Peterson | Sites. |

CLASS II—JERSEYS AND GUERNSEYS.

*Bulls—Three years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Fawn | Waterman (328) | Jefferson (97) | Daisy W (700) | H. S. Sargent | Stockton. |
| Dark fawn | Jersey Duke (18) | Monarch | Duchess (imp.) | Wm. Johnston | Richland. |
| Dk. br. & wh. | Ixion (351) | Jersey Duke (18) | Matilda Lotz | Wm. Johnston | Richland. |
| Fawn | Earl Marmeduke (7087) | Victor of Y. B. (3809) | Millbrook Pride of Y. B. | Levi Carter | Ceres. |
| Sq. gray | Billy Ralston (365) | William (38) | Oakland Queen | Thos. Warde | Oakland. |
| Dk. sq. gray | Warwick (301) | Jersey Duke (18) | Ida H | James Askew | El Dorado. |
| Fawn | Bost | | | Thos. Harlan | Williams. |

*Bulls—Two years old.*

| | | | | | |
|---|---|---|---|---|---|
| Gray | Dick | Jersey Duke (18) | Ida 4th | Wm. Johnston | Richland. |
| Wh. & fawn | Gladstone (421) | Bolliver M (332) | Mattie (48) | A. L. Nichols | Sacramento. |
| Dk. sorrel | Maude's Olaf (15985) | | | Thos. Warde | Oakland. |

*Bulls—One year old.*

| | | | | | |
|---|---|---|---|---|---|
| Dark fawn | Joe | Rhoderic Dhu | Sibyl | Wm. Johnston | Richland. |
| Wh. & fawn | Dan | Rhoderic Dhu | Martha | Wm. Johnston | Richland. |
| Fawn | Livingstone (423) | Ben Lomond | Dina A (193) | A. L. Nichols | Sacramento. |
| Corn fawn | King of Y. B. (18902) | Ada's Peralt | Queen of Y. B. | W. C. Smith | Florin. |
| Sq. gray | Silver King | Maud's Olaf | Bonita | Thos. Warde | Oakland. |

*Bull Calves.*

| | | | | | |
|---|---|---|---|---|---|
| Sq. gray | Aloha S (20614) | Michael Angelo (10116) | Maria of Edge Hill (8869) | H. S. Sargent | Stockton. |
| Steel gray | Black Bart (20546) | Lawgiver (14870) | Dido Baker (38856) | L. F. Eaton | Florin. |
| Dark sq. | Tom | Warwick (301) | Jersey Belle (126) | James Askew | El Dorado. |

*Cows—Three years old and over.*

| | | | | | |
|---|---|---|---|---|---|
| Fawn | Daisy W (700) | Beecher | Whittier cow | H. S. Sargent | Stockton. |
| White and f. | Lillie Dale (747) | Jefferson (97) | Minnie (200) | H. S. Sargent | Stockton. |
| Dark fawn | Edith of Lorne (403) | Jersey Duke (18) | Maid of Lorne | Wm. Johnston | Richland. |
| W. and d'k f. | Griselda (404) | Jersey Duke | Matilda Lotz | Wm. Johnston | Richland. |
| Light fawn | Mayblossom (720) | Jersey Duke | Joe Hill | Wm. Johnston | Richland. |
| Dark fawn | Sibyl (807) | Jersey Duke | Lora | Wm. Johnston | Richland. |
| Fawn | Ellie Douglas (706) | Jersey Duke | | Wm. Johnston | Richland. |
| Fawn | Cleo (801) | Jersey Duke | Lillie H. | Wm. Johnston | Richland. |
| Fawn | Jersey Duchess (707) | Jersey Duke | Jersey Doll | Wm. Johnston | Richland. |
| Fawn | Mirabelle (48) | Sankey (56) | Creole Belle (86) | A. L. Nichols | Sacramento. |
| Fawn | Flora Nix (24818) | Senator (4012) | Lillie Nix (11053) | A. L. Nichols | Sacramento. |
| Fawn | Irene of Staatsburg (2889) | Hector of Plymouth Rock (imp.) | Ida 3d (2254) | W. C. Smith | Florin. |
| Fawn | Lady Maude (24) | Glory of the Pacific | Jennie June | Thos. Warde | Oakland. |
| Fawn | Phillis (298) | Walter Scott | Flora | Thos. Warde | Oakland. |
| Fawn | Pacific Mignon | | | Thos. Warde | Oakland. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| Fawn | Anita | William | Mala of F. H. | Thos. Warde | Oakland. |
| Fawn | Jersey Belle | Surprise | Poody | J. Askew | El Dorado. |
| Fawn | Queen (129) | Gen. Grant | Jersey Belle | J. Askew | El Dorado. |
| Squirrel g. | 3d Duchess of El Dorado | Gen. Grant | 1st Duchess of El Dorado. | J. Askew | El Dorado. |
| Squirrel g. | Daisy | 1st Duke of El Dorado | Jersey Belle | J. Askew | El Dorado. |
| | *Cows—Two years old.* | | | | |
| Fawn | Nova | Fred Baker | Belle | Frank Lowell | Sacramento. |
| Fawn | Lockeford Belle (879) | Earl Mameluke (781) | Lilac 3d | H. S. Sargent | Stockton. |
| Br'n and w. | Julia W (984) | Jefferson (327) | Queenie | H. S. Sargent | Stockton. |
| Fawn | Minnie Warren (878) | Jefferson | Lilac's Last | H. S. Sargent | Stockton. |
| Fawn | Amy Platt (987) | Earl of Lockeford (393) | Princess May | H. S. Sargent | Stockton. |
| Fawn | Matilda Lotz 2d | Jersey Duke (18) | Matilda Lotz | Wm. Johnston | Richland. |
| White and f. | Beauty 3d | Jersey Duke | Beauty 2d | Wm. Johnston | Richland. |
| White and f. | Constance De B (809) | Jersey Duke | Pauline | Wm. Johnston | Richland. |
| White and f. | Griselda 2d | Jersey Duke | Griselda | Wm. Johnston | Richland. |
| | *Cows—One year old.* | | | | |
| Fawn | Peg Woffington | Earl of Lockeford | Kittie C | H. S. Sargent | Stockton. |
| Fawn | Modjeska | Gray Night | Blanche 3d | H. S. Sargent | Stockton. |
| Gray | Susie of El Pinal | Gray Night | Queenie | H. S. Sargent | Stockton. |
| Fawn | Ellen Douglas 2d | Rhoderic Dhu | Ellen Douglas | Wm. Johnston | Richland. |
| Fawn | Cleo 2d | Rhoderic Dhu | Cleo | Wm. Johnston | Richland. |
| Fawn | Belle Bria | Ben Lomond | Mirabelle | A. L. Nichols | Sacramento. |
| Fawn | Dolly A | Rhoderic Dhu | Twin's Daughter | A. L. Nichols | Sacramento. |
| Fawn | Martha of Florin | Lawgiver | Irene of Staatsburg | W. C. Smith | Florin. |
| Fawn | Violet 3d | | | Thos. Warde | Oakland. |
| Fawn | Olafura | Maud's Olaf | Pacific Mignon | Thos. Warde | Oakland. |
| Fawn | Oakland Queen | Prince of Tulare | Malo of F. H. | Thos. Warde | Oakland. |
| Fawn | Lady Wickham 2d | | | Thos. Warde | Oakland. |
| | *Calves—Heifers.* | | | | |
| Fawn | Beauty 4th | Jersey Duke | Beauty 2d | Wm. Johnston | Richland. |
| Fawn | | Jersey Duke | Sybil | Wm. Johnston | Richland. |
| Fawn | Flora Nix 2d | Ben Lomond | Flora Nix | A. L. Nichols | Sacramento. |
| Wh. and f'wn | Gertrude | Jersey Duke | Haidee | A. L. Nichols | Sacramento. |
| Wh. and f'wn | Vilette | Ixion | Martha | A. L. Nichols | Sacramento. |
| Fawn | Mono of Florin | Lawgiver | Irene of Staatsburg | W. C. Smith | Florin. |
| Squir. gray | Mountain Pink | Warwick | Queen | Jas. Askew | El Dorado. |

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|---|---|---|---|---|---|
| Squir. gray | Lucy | Warwick | Daisy | Jas. Askew | El Dorado. |
| Squir. gray | 4th Duchess of El Dorado | Warwick | 3d Duchess of El Dorado | Jas. Askew | El Dorado. |
| | | Warwick | Queen | Jas. Askew | El Dorado. |
| | *Herds—Over two years old.* | | | | |
| | Bull—Waterman | Jefferson | Daisy W | H. S. Sargent | Stockton. |
| | Cows—Daisy W | Beecher | Whittier cow | H. S. Sargent | Stockton. |
| | Lily Dale | Jefferson | Minnie | H. S. Sargent | Stockton. |
| | Lockeford Belle | Earl Mameluke | Lilac | H. S. Sargent | Stockton. |
| | Amy Platt | Earl Lockeford | Princess May | H. S. Sargent | Stockton. |
| | Minnie Warren | Jefferson | Lilac's Last | H. S. Sargent | Stockton. |
| | Bull—Warwick | Jersey Duke | Ida H | James Askew | El Dorado. |
| | Cows—Jersey Belle | Surprise | Poody | James Askew | El Dorado. |
| | Queen | General Grant | Jersey Belle | James Askew | El Dorado. |
| | Duchess of El Dorado | General Grant | 1st Duchess of El Dorado | James Askew | El Dorado. |
| | Daisy | 1st Duke of El Dorado | Jersey Belle | James Askew | El Dorado. |
| | Bull—Jersey Duke | Monarch | Duchess (imp.) | Wm. Johnston | Richland. |
| | Cows—Mayblossom | Jersey Duke | Joe Hill | Wm. Johnston | Richland. |
| | Griselda | Jersey Duke | Matilda Lotz | Wm. Johnston | Richland. |
| | Cleo | Jersey Duke | Lillie H | Wm. Johnston | Richland. |
| | Ellen Douglas | Jersey Duke | | Wm. Johnston | Richland. |
| | *Herds—Under two years old.* | | | | |
| | Bull—Silver King | Maud's Olaf | Bonita | Thos. Warde | Oakland. |
| | Cows—Oakland Queen | Prince of Tulare | Malo of F. H. | Thos. Warde | Oakland. |
| | Lady Wickham 2d | | | Thos. Warde | Oakland. |
| | Olafura | Maud's Olaf | Pacific Mignon | Thos. Warde | Oakland. |
| | Violet 3d | | | Thos. Warde | Oakland. |
| | *Sweepstakes—Bull of any age.* | | | | |
| Silver gray | Aloha S (2614) | Michael Angelo | Maria of Edge Hill | H. S. Sargent | Stockton. |
| Silver gray | Billy Ralston (365) | William | Oakland Queen | Thos. Warde | Oakland. |
| Fawn | Jersey Duke (18) | Monarch | Duchess (imp.) | Wm. Johnston | Richland. |
| | *Sweepstakes—Cow of any age.* | | | | |
| Fawn | Daisy W (700) | Beecher | Whittier cow | H. S. Sargent | Stockton. |
| | CLASS IV—AYRSHIRE CATTLE. | | | | |
| | *Bulls—Two years old.* | | | | |
| Red and wh. | Lord Faxon (4314) | Archie (3432) | Lady Faxon | G. Bement & Son | San Pablo. |
| | *Bulls—One year old.* | | | | |
| Red | Mikado (4315) | Electioneer (3576) | Marian (7408) | G. Bement & Son | San Pablo. |
| Red and wh. | Hotspur (4502) | Archie (3432) | Hildina (7593) | G. Bement & Son | San Pablo. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | *Bulls—Calves.* | | | | |
| Red and wh. | Express (4503) | Archie (3432) | Elaine (7401) | G. Bement & Son | San Pablo. |
| | *Cows—Three years old and over.* | | | | |
| Red and wh. | Highland Mary | Archie (3432) | Highland Lassie | G. Bement & Son | San Pablo. |
| Red and wh. | Sybilla (7859) | Archie (3432) | Sybil (7404) | G. Bement & Son | San Pablo. |
| Red | Marian (7408) | Archie (3432) | Mariam (2905) | G. Bement & Son | San Pablo. |
| | *Cows—Two years old.* | | | | |
| Red and wh. | Ethel Berta (9579) | Archie (3432) | Ethel Brown (4504) | G. Bement & Son | San Pablo. |
| | *Cows—One year old.* | | | | |
| Red and wh. | Faxonia (9521) | Archie (3432) | Lady Faxon (7551) | G. Bement & Son | San Pablo. |
| | *Heifers—Calves.* | | | | |
| Red and wh. | Frou Frou (9864) | Archie (3432) | Lady Faxon (7551) | G. Bement & Son | San Pablo. |
| Red | Highland Beauty | Archie (3432) | Highland Mary | G. Bement & Son | San Pablo. |
| | *Herds.* | | | | |
| | Bull—Lord Faxon (4314) | Archie (3432) | Lady Faxon (7551) | G. Bement & Son | San Pablo. |
| | Cows—Sybilla (7869) | Archie (3432) | Sybil (7404) | G. Bement & Son | San Pablo. |
| | Faxonia (9521) | Archie (3432) | Lady Faxon (7551) | G. Bement & Son | San Pablo. |
| | Frou Frou (9864) | Archie (3432) | Lady Faxon (7551) | G. Bement & Son | San Pablo. |
| | Marian (7408) | Archie (3432) | Mariam (2905) | G. Bement & Son | San Pablo. |
| | *Sweepstakes—Bull of any age.* | | | | |
| Red and wh. | Lord Faxon (4314) | Archie (3432) | Lady Faxon (7551) | Geo. Bement & Son | San Pablo. |
| | *Sweepstakes—Cow of any age.* | | | | |
| Red and wh. | Sybilla (7809) | Archie (3432) | Sybil (7404) | Geo. Bement & Son | San Pablo. |
| | CLASS V—HEREFORDS. | | | | |
| | *Bulls—Two years old.* | | | | |
| Red and wh. | Prince (31777) | Leatard (15576) | Alice 2d (4351) | J. L. McCracken | Auburn. |
| | *Bulls—One year old.* | | | | |
| Red and wh. | Howard (31772) | Fair Boy (17418) | Pinky 5th (15571) | J. L. McCracken | Auburn. |

| | | | | | |
|---|---|---|---|---|---|
| | *Bulls—Calves.* | | | | |
| Red and wh.. | Gay Lad (34516) | Cyrus (25236) | Grace (17416) | J. L. McCracken | Auburn. |
| | *Cows—Three years old and over.* | | | | |
| Red and wh.. | Eva S (15880) | Gay Lad (4232) | Fancy (825) | J. L. McCracken | Auburn. |
| Red and wh.. | Mabel (17417) | Centennial (1530) | Eva S (5880) | J. L. McCracken | Auburn. |
| | *Cows—One year old.* | | | | |
| Red and wh.. | Leda (34518) | Leatard (15576) | Hinton (13186) | J. L. McCracken | Auburn. |
| ..... | Fair Maid (34375) | Leatard (15576) | Eva S | J. L. McCracken | Auburn. |
| | *Heifers—Calves.* | | | | |
| Red and wh.. | Kitty (34517) | Leatard (15576) | Mabel | J. L. McCracken | Auburn. |
| Red and wh.. | Lily (34519) | Dan (25112) | Alice 2d | J. L. McCracken | Auburn. |
| | *Herds.* | | | | |
| Red and wh.. | Bull—Prince (31777) | Leatard (15576) | Alice 2d (4351) | J. L. McCracken | Auburn. |
| Red and wh.. | Cow—Eva S (15880) | Gay Lad (4232) | Fancy 3d | J. L. McCracken | Auburn. |
| Red and wh.. | Mabel (17417) | Centennial (1530) | Eva S (5880) | J. L. McCracken | Auburn. |
| Red and wh.. | Grace (17416) | Centennial (1530) | Alice 2d (4351) | J. L. McCracken | Auburn. |
| Red and wh.. | Hinton (13186) | Foreign Security (4144) | Lively (4299) | J. L. McCracken | Auburn. |
| | *Sweepstakes—Bull of any age.* | | | | |
| Red and wh.. | Prince (3177) | Leatard (15576) | Alice 2d (4351) | J. L. McCracken | Auburn. |
| | *Sweepstakes—Cow of any age.* | | | | |
| Red and wh.. | Eva S (15880) | Gay Lad (4232) | Fancy | J. L. McCracken | Auburn. |
| | CLASS VI—HOLSTEIN OR FRIESIAN CATTLE. | | | | |
| | *Bulls—Three years old and over.* | | | | |
| Bl'k and wh.. | Mahomet of Palo Alta (2688) | Mahomet 3d (1259) | Clarissa (2281) | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Nadine Veeman (4404) | Wiebren Veeman | Nadine (5340) | Leland Stanford | San Francisco. |
| Bl'k and wh. | Sedro (3168) | Herder (2331) | Antje Laan (4237) (imp.) | F. H. Burke | Menlo Park. |
| | *Bulls—Two years old.* | | | | |
| Bl'k and wh.. | El Cuerro Netherlands (3236) | Netherland King (1924) | Phillis Lincoln (9921) | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | Von Moltke (3235) | Henry of Aaggie (454) | Portia Lincoln (10026) | F. H. Burke | Menlo Park. |
| | *Bulls—One year old.* | | | | |
| Bl'k and wh.. | Montague (6166) | Mahomet of Pa. Alto (2688) | Isma (5529) | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Capeador (7431) | Minellas Prince (1218) | Fetema (9723) | Leland Stanford | San Francisco. |
| Bl'k and wh.. | King of Menlo (6497) | Romley (3749) (imp.) | Lena Wit (3840) (imp.) | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | Ledro's Thistle | Sedro (3168) | Thissa (9679) (imp.) | F. H. Burke | Menlo Park. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | *Bulls—Calves.* | | | | |
| Bl'k and wh.. | Amargan (9206) | San José (1219) | Georgie Truman (1517) | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Osund (9207) | San Miguel (1220) | Abdaletta (6847) | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Legrand Twisk (9231) | Nadine's Promoter (2972) | Prince Twist's Laura (10201) | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | | El Cuerro Netherland (3236) | Jacob's Lily (1936) | F. H. Burke | Menlo Park. |
| | *Cows—Three years old.* | | | | |
| Bl'k and wh.. | Pansyne | Imported | Imported | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Pietja Piersma | Imported | Imported | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Sylpha | Boersman's Bull | Bontje | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | Ryeless | Imported | Imported | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | Thissa | Jochem (imp.) | Stins (imp.) | F. H. Burke | Menlo Park. |
| | *Cows—Two years old.* | | | | |
| Bl'k and wh.. | Ledo | Wiebren Veeman | Josie Lyle | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Morosa | Mahomet of Palo Alto | Jacob Wit Minella | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Onterette | Henry of Aaggie | Annetta Lincoln | F. H. Burke | Menlo Park. |
| | *Cows—One year old.* | | | | |
| Bl'k and wh.. | Mecox | Le Moine | Lady Anstys | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Zorrita | Minellas Prince | Santa Maria | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Belanga | Aaggie 4th Rowland | Jacob's Vernie | F. H. Burke | Menlo Park. |
| | *Heifers—Calves.* | | | | |
| Bl'k and wh.. | Ojinegro | Minellas Prince | Lady Anstys | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Pating | Mahomet of Palo Alto | Jacob Wit Minella | Leland Stanford | San Francisco. |
| Bl'k and wh.. | Bontje Lincoln 2d | Sedro | Bontje Lincoln | F. H. Burke | Menlo Park. |
| Bl'k and wh.. | Little Minch | Billee Taylor | Jacob's Elizabeth | F. H. Burke | Menlo Park. |
| | *Herds.* | | | | |
| | Bull—Nadine Veeman | Weibren Veeman | Nadine | Leland Stanford | San Francisco. |
| | Cows—Pansyne | Imported | Imported | Leland Stanford | San Francisco. |
| | Laurentine | Imported | Imported | Leland Stanford | San Francisco. |
| | Clarissa | Imported | Imported | Leland Stanford | San Francisco. |
| | Pietja Piersma | Imported | Imported | Leland Stanford | San Francisco. |
| | Bull—Sedro | Herder (imp.) | Antjelaan | F. H. Burke | Menlo Park. |
| | Cows—Sylpha | Boersman's Bull (imp) | Bontje (imp.) | F. H. Burke | Menlo Park. |
| | Ryeless | Imported | Imported | F. H. Burke | Menlo Park. |
| | Clarissa | Jochen (imp.) | Stins (imp.) | F. H. Burke | Menlo Park. |

| | | | | | |
|---|---|---|---|---|---|
| | Onterette | Henry of Aaggie | Annetta Lincoln | F. H. Burke | Menlo Park. |
| | *Sweepstakes—Bull of any age.* | | | | |
| Bl'k and wh. | Nadine Veeman | Weibren Veeman | Nadine | Leland Stanford | San Francisco. |
| Bl'k and wh. | Sedro | Herder | Antjelaan | F. H. Burke | Menlo Park. |
| | *Sweepstakes—Cow of any age.* | | | | |
| Bl'k and wh. | Pansyne | Imported | | Leland Stanford | San Francisco. |
| Bl'k and wh. | Sylpha | Boersman's Bull | Bontje (imp.) | F. H. Burke | Menlo Park. |
| | CLASS VIII—GRADED CATTLE. | | | | |
| | *Cows—Three years old and over.* | | | | |
| Brown | Jersey | | | Willie Tryon | Sacramento. |
| | *Cows—Two years old.* | | | | |
| Brown | Pet | | | Wm. Tryon | Sacramento. |
| | *Cows—One year old.* | | | | |
| Red | Red Belle | Hermit Duke | Daisy | P. H. Murphy | Brighton. |
| Blue gray | Blue | | | Wm. Tryon | Sacramento. |
| | *Heifers—Calves.* | | | | |
| Fawn | Annie | Gladstone | | John Riley | Sacramento. |
| Brown | Beauty | | | Wm. Tryon | Sacramento. |
| Roan | Speck | | | Wm. Tryon | Sacramento. |
| | CLASS IX—HERD SWEEPSTAKES. | | | | |
| | *Beef Breeds—One Bull and four Cows.* | | | | |
| | Bull—Mugwump | Kirklevington Carol | Belle Medico | W. Page | Penn's Grove. |
| | Cows—Maita | Kirklevington Carol | Madie | W. Page | Penn's Grove. |
| | Belle Strawberry | Cherry Prince | Rosa Bella | W. Page | Penn's Grove. |
| | Belle Medico | El Medico | Belle Napier | W. Page | Penn's Grove. |
| | Henrietta Page | Sonoma | Rose Sonoma | W. Page | Penn's Grove. |
| | Bull—Kirklevington Oxford Count | Kirklevington Duke 2d | Wildeyes Craggs 2d | P. S. Childs | Davisville. |
| | Cows—Belle 27th | Kirklevington Duke 2d | Belle 14th | P. S. Childs | Davisville. |
| | Hattie | Roan Duchess Oxford | Hattie James 4th | P. S. Childs | Davisville. |
| | Flora 16th | Kirklevington Duke 2d | Flora 2d | P. S. Childs | Davisville. |
| | Burnetta 7th | Roan Duchess Oxford | Burnetta 2d | P. S. Childs | Davisville. |
| | Bull—3d Kirklevington of Forest Home | Duke of Kirklevington | Oxford Rose 3d | C. Younger | San José. |
| | Cows—Oxford Rose 11th | Duke of Kirklevington | Oxford Rose 3d | C. Younger | San José. |
| | Jessie Maynard 4th | Duke of Kirklevington | Oxford Rose 3d | C. Younger | San José. |
| | Amelia 12th | 5th Kirklevington of F. H. | Amelia 10th | C. Younger | San José. |
| | 28th Rose of Forest Home | 5th Kirklevington of F. H. | 2d Belle of Avon Ranch | C. Younger | San José. |

FIRST DEPARTMENT—Continued.

| Color. | Name. | Sire. | Dam. | Owner. | Residence. |
|---|---|---|---|---|---|
| | Bull—Mazurka Duke | | | Bridgford & Mulligan | Colusa. |
| | Cows—Manunga | | | Bridgford & Mulligan | Colusa. |
| | Lucy Jane | | | Bridgford & Mulligan | Colusa. |
| | Manunga 2d | Catchpenny | Manunga | Bridgford & Mulligan | Colusa. |
| | Manunga 3d | Counselor | | Bridgford & Mulligan | Colusa. |
| | Bull—Oxford Duke 2d | Oxford Duke | Xylopia 5th | W. Jacobs | Sacramento. |
| | Cows—Xylopia 6th | Logan | Xylopia 5th | W. Jacobs | Sacramento. |
| | Lone Butterfly | Duke Butterfly | Happy Mary | W. Jacobs | Sacramento. |
| | Duchess of Durham | Viscount | Duchess of Durham 14th | W. Jacobs | Sacramento. |
| | Mary Barrington | Barrington Duke | Red Rose Mary | W. Jacobs | Sacramento. |
| | Bull—Counselor | Commissioner | Beauty 2d Maid | P. Peterson | Sites. |
| | Cows—Rosely K | Hancock | 2d Belle of Antelope | P. Peterson | Sites. |
| | Ruby B | Rowena's Duke of Airdrie | Lenora B | P. Peterson | Sites. |
| | True B | Rowena's Duke of Airdrie | Allie B | P. Peterson | Sites. |
| | Rosely K 2d | Counselor | Rosely K | P. Peterson | Sites. |
| | *Milk Breeds.* | | | | |
| Bl'k and wh. | Nadine Veeman | Weibren Veeman | Nadine | L. Stanford | San Francisco. |
| Bl'k and wh. | Pansyne | Imported | | L. Stanford | San Francisco. |
| Bl'k and wh. | Laurentine | Imported | | L. Stanford | San Francisco. |
| Bl'k and wh. | Clarissa | Imported | | L. Stanford | San Francisco. |
| Bl'k and wh. | Pietja Piersma | Imported | | L. Stanford | San Francisco. |
| Bl'k and wh. | Sedro | Herder | Imported Antjilaan | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Sylpha | Imported | Imported | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Thissa | Imported | Imported | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Winnetta Ray | Imported | Imported | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Onterette | Sir Henry of Aaggie | Phillis Lincoln | F. H. Burke | Menlo Park. |
| | CLASS X—MILCH COWS—*Any age or breed.* | | | | |
| Bl'k and wh. | Pansyne | Imported | | L. Stanford | San Francisco. |
| Bl'k and wh. | Sylpha | Boersman's Bull | Bontje | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Kyeless | Imported | | F. H. Burke | Menlo Park. |
| Bl'k and wh. | Onterette | Henry of Aaggie | Annetta Lincoln | F. H. Burke | Menlo Park. |

FIRST DEPARTMENT—Continued.

SHEEP.

| NAME. | Owner. | Residence. |
|---|---|---|
| CLASS I—SPANISH MERINOS. | | |
| *Ram—Two years old and over.* | | |
| King George | F. Bullard | Woodland. |
| *Ram—One year old and under two.* | | |
| Clingstone | F. Bullard | Woodland. |
| *Three Ram Lambs.* | | |
| Three ram lambs | F. Bullard | Woodland. |
| *Pen of not less than five Ewes—Two years old and over.* | | |
| One pen | F. Bullard | Woodland. |
| *Pen of not less than five Ewes—One year old and under two.* | | |
| One pen | F. Bullard | Woodland. |
| *Pen of not less than five Ewe Lambs.* | | |
| One pen | F. Bullard | Woodland. |
| *Ram and five of his Lambs.* | | |
| King George and five lambs | F. Bullard | Woodland. |
| CLASS II—FRENCH MERINOS. | | |
| *Ram—Two years old and over.* | | |
| Fernando | J. Roberts | Irvington. |
| *Ram—One year old and under two.* | | |
| Napier | J. Roberts | Irvington. |
| *Three Ram Lambs.* | | |
| One pen | J. Roberts | Irvington. |
| *Pen of not less than five Ewes, two years old and over.* | | |
| One pen | J. Roberts | Irvington. |
| *Pen of not less than five Ewes, one year old and under two.* | | |
| One pen | J. Roberts | Irvington. |
| *Pen of not less than five Ewe Lambs.* | | |
| One pen | J. Roberts | Irvington. |
| *Ram and five of his Lambs.* | | |
| Fernando and five lambs | J. Roberts | Irvington. |
| CLASS IV—LEICESTERSHIRE AND COTSWOLD. | | |
| *Ram of any age.* | | |
| Just Right | Coleman Younger & Son | San José. |
| *Pen of Ewes, not less than five, of any age.* | | |
| One pen | Coleman Younger & Son | San José. |
| *Ram and five of his Lambs.* | | |
| Just Right and five lambs | Coleman Younger & Son | San José. |
| CLASS V—SHROPSHIRE. | | |
| *Ram of any age.* | | |
| Royal Duke (imported) | Andrew Smith | Redwood City. |
| Jumbo | J. H. Glide | Sacramento. |

FIRST DEPARTMENT—Continued.

| NAME. | Owner. | Residence. |
|---|---|---|
| *Pen of Ewes, not less than five of any age.* | | |
| One pen | Andrew Smith | Redwood City. |
| *Ram and five of his Lambs.* | | |
| Royal Duke and five lambs | Andrew Smith | Redwood City. |
| *Three Ram Lambs.* | | |
| Royal Duke, sire; three ram lambs | Andrew Smith | Redwood City. |
| *Pen of five Ewe Lambs.* | | |
| One pen | Andrew Smith | Redwood City. |
| CLASS VI—SWEEPSTAKES. | | |
| *Ram of any age or breed and five of his Lambs.* | | |
| Royal Duke and five lambs (Shropshire) | Andrew Smith | Redwood City. |
| King George and five lambs (Sp. Merino) | Frank Bullard | Woodland. |
| Just Right and five lambs (Coltswold) | Coleman Younger | San José. |
| Fernando and five lambs (Fr. Merino) | J. Roberts | Irvington. |

## ANGORA GOATS.

| NAME. | Owner. | Residence. |
|---|---|---|
| THOROUGHBREDS. | | |
| *Bucks—Two years old and over.* | | |
| Mahomet 2d | Julius Weyand | Little Stoney. |
| Colonel Peters | Julius Weyand | Little Stoney. |
| Atlanta | Julius Weyand | Little Stoney. |
| Governor Helm | T. H. Harlan | Williams. |
| *Bucks—Under two years old.* | | |
| One buck | Julius Weyand | Little Stoney. |
| One buck | Julius Weyand | Little Stoney. |
| One buck | Julius Weyand | Little Stoney. |
| Anglo | T. H. Harlan | Williams. |
| *Pen of not less than three Does—Two years old and over.* | | |
| One pen | Julius Weyand | Little Stoney. |
| One pen | T. H. Harlan | Williams. |
| *Pen of not less than three Does—Under two years old.* | | |
| One pen | Julius Weyand | Little Stoney. |
| One pen | T. H. Harlan | Williams. |
| GRADED. | | |
| *Pen of not less than three Does—Two years old and over.* | | |
| One pen | Julius Weyand | Little Stoney. |
| One pen | T. H. Harlan | Williams. |
| *Pen of not less than three Does—Under two years old.* | | |
| One pen | Julius Weyand | Little Stoney. |
| One pen | T. H. Harlan | Williams. |
| *Herd of not less than ten—Of any breed or age.* | | |
| One herd | Julius Weyand | Little Stoney. |
| One herd | T. H. Harlan | Williams. |

FIRST DEPARTMENT—Continued.

SWINE.

| NAME. | Owner. | Residence. |
|---|---|---|
| CLASS I—BERKSHIRE. | | |
| *Boar—Two years old and over.* | | |
| Redwood Duke | Andrew Smith | Redwood City. |
| Bismarck | William Jacobs | Sacramento. |
| *Boar—One year old and under two years.* | | |
| Brighton | T. Waite | Perkins. |
| Peploe | A. Smith | Redwood City. |
| Duke of Pino I | William Jacobs | Sacramento. |
| *Boar—Six months old and under one year.* | | |
| Dan Corbitt | T. Waite | Perkins. |
| Redwood Duke 3d | A. Smith | Redwood City. |
| Hamilton Duke | W. Jacobs | Sacramento. |
| *Breeding Sow—Two years old and over.* | | |
| Redwood Lass 2d | A. Smith | Redwood City. |
| Pino 5th | W. Jacobs | Sacramento. |
| *Sow—One year old and under two years.* | | |
| Redwood Sallie 3d | A. Smith | Redwood City. |
| Belle of Pino I | W. Jacobs | Sacramento. |
| *Sow—Six months old and under one year.* | | |
| Redwood Sallie 6th | A. Smith | Redwood City. |
| Belle Hamilton | W. Jacobs | Sacramento. |
| Brighton Lass | T. Waite | Perkins. |
| *Sow and six Pigs under three months old.* | | |
| Redwood Lass and six pigs | A. Smith | Redwood City. |
| Redwood Belle and six pigs | T. Waite | Perkins. |
| Rosa Pino I and five pigs (by common consent) | W. Jacobs | Sacramento. |
| *Pair of Pigs under six months old.* | | |
| Brighton Boy | T. Waite | Perkins. |
| Brighton Girl | T. Waite | Perkins. |
| Redwood Duke 4th | A. Smith | Redwood City. |
| Redwood Sallie 10th | A. Smith | Redwood City. |
| Duke Pino V | W. Jacobs | Sacramento. |
| Duchess Pino V | W. Jacobs | Sacramento. |
| ESSEX. | | |
| *Boar—Two years old and over.* | | |
| Tyler | Geo. Bement & Son | San Pablo. |
| *Boar—Six months old and under one year.* | | |
| One boar | Geo. Bement & Son | San Pablo. |
| *Breeding Sow—Two years old and over.* | | |
| Josie | Geo. Bement & Son | San Pablo. |
| *Sow—One year old and under two years.* | | |
| Belle Hewitt | Geo. Bement & Son | San Pablo. |
| *Sow—Six months old and under one year.* | | |
| Nan Hewitt | Geo. Bement & Son | San Pablo. |
| *Pair of Pigs—Under six months old.* | | |
| One pair | Geo. Bement & Son | San Pablo. |
| One pair | Geo. Bement & Son | San Pablo. |
| One pair | Geo. Bement & Son | San Pablo. |

FIRST DEPARTMENT—Continued.

| NAME. | Owner. | Residence. |
|---|---|---|
| CLASS III—POLAND CHINA. | | |
| *Boar—Two years old and over.* | | |
| Bismarck | Paul Sheppa | Batavia. |
| *Boar—Six months old and under one year.* | | |
| Young Lamson | P. H. Murphy | Brighton. |
| *Sow—Six months old and under one year.* | | |
| Black Beauty | P. H. Murphy | Brighton. |
| *Pair of Pigs—Under six months old.* | | |
| Tippecanoe | Paul Sheppa | Batavia. |
| Beauty | Paul Sheppa | Batavia. |
| SWEEPSTAKES. | | |
| *Boars—Of any age or breed.* | | |
| Redwood Duke (Berkshire) | A. Smith | Redwood City. |
| Bismarck (Berkshire) | W. Jacobs | Sacramento. |
| Bismarck (Poland-China) | P. Sheppa | Batavia. |
| *Sow—Of any age or breed.* | | |
| Redwood Sallie 3d (Berkshire) | A. Smith | Redwood City. |
| Pino 5th | W. Jacobs | Sacramento. |
| *Pen of six Pigs—Under six months.* | | |
| One pen (Berkshire) | A. Smith | Redwood City. |
| One pen (Essex) | Geo. Bement & Son | San Pablo. |
| *Family—Of all same breed, consisting of one Boar, two Sows, and six Pigs.* | | |
| Redwood Duke, Redwood Sallie, Redwood Lass, And six pigs, } Berkshire | A. Smith | Redwood City. |
| Family (Essex), as above required | Geo. Bement & Son | San Pablo. |

POULTRY.

| NAME. | Owner. | Residence. |
|---|---|---|
| LIGHT BRAHMAS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | G. E. Duden | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| DARK BRAHMAS. | | |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | G. E. Duden | Sacramento. |
| LANGSHANS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | W. Jacobs | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | W. Jacobs | Sacramento. |

FIRST DEPARTMENT—Continued.

| NAME. | OWNER. | RESIDENCE. |
|---|---|---|
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| One breeding pen | W. Jacobs | Sacramento. |
| BUFF COCHINS. | | |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| PARTRIDGE COCHINS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| PLYMOUTH ROCKS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | G. E. Duden | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| One cockerel and pullet | G. E. Duden | Sacramento. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| One breeding pen | G. E. Duden | Sacramento. |
| BROWN LEGHORNS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | H. L. Nichols | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| One cockerel and pullet | H. L. Nichols | Sacramento. |
| One cockerel and pullet | G. E. Duden | Sacramento. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| One breeding pen | H. L. Nichols | Sacramento. |
| One breeding pen | G. E. Duden | Sacramento. |
| WHITE LEGHORNS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | H. L. Nichols | Sacramento. |
| One cock and hen | G. E. Duden | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | H. L. Nichols | Sacramento. |
| One cockerel and pullet | G. E. Duden | Sacramento. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | H. L. Nichols | Sacramento. |
| WHITE-FACED BLACK SPANISH. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | G. E. Duden | Sacramento. |

FIRST DEPARTMENT—Continued.

| NAME. | Owner. | Residence. |
|---|---|---|
| One cock and hen | E. B. Robinson | Sacramento. |
| One cock and hen | Elmo Carey | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | G. E. Duden | Sacramento. |
| One cockerel and pullet | E. B. Robinson | Sacramento. |
| One cockerel and pullet | Elmo Carey | Sacramento. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| One breeding pen | E. B. Robinson | Sacramento. |
| HOUDANS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | G. E. Duden | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| SILVER-SPANGLED HAMBURGS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| POLISH. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| WYANDOTTES. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| One cock and hen | W. Jacobs | Sacramento. |
| *Cockerel and Pullet.* | | |
| One cockerel and pullet | T. Waite | Perkins. |
| One cockerel and pullet | G. E. Duden | Sacramento. |
| One cockerel and pullet | W. Jacobs | Sacramento. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| One breeding pen | G. E. Duden | Sacramento. |
| One breeding pen | W. Jacobs | Sacramento. |
| BLACK-BREASTED RED GAME BANTAMS. | | |
| *Cock and Hen.* | | |
| One cock and hen | T. Waite | Perkins. |
| *Breeding Pen—One male and four females.* | | |
| One breeding pen | T. Waite | Perkins. |
| *Special Entry of Black-breasted Red Game.* | | |
| One cockerel and pullet | Frank Lowell | Sacramento. |

FIRST DEPARTMENT—Continued.

| NAME. | Owner. | Residence. |
|---|---|---|
| TURKEYS. | | |
| *Bronze Turkeys.* | | |
| One pair | Thomas Waite | Perkins. |
| *Wild Turkeys.* | | |
| One pair | Thomas Waite | Perkins. |
| GEESE. | | |
| *Toulouse Geese.* | | |
| One pair | Thomas Waite | Perkins. |
| One pair | Frank H. Burke | Menlo Park. |
| DUCKS. | | |
| *Rouen Ducks.* | | |
| One pair | Thomas Waite | Perkins. |
| One pair | Frank H. Burke | Menlo Park. |
| *Pekin Ducks.* | | |
| One pair | Thomas Waite | Perkins. |
| One pair | Thomas Waite | Perkins. |

GOLD MEDAL ENTRIES.

| NAME. | Owner. | Residence. |
|---|---|---|
| HORSES. | | |
| All his stock (horses) on exhibition | R. J. Merkeley | Sacramento. |
| Thirteen head of horses | A. D. Miller | Walsh Station. |
| LIVE STOCK OTHER THAN HORSES. | | |
| *Durhams.* | | |
| Mugwump, Holdfast, Protector, Rogue, Belt, Sonberry, Blood, Cheeseit, Parson, Princeps, Gilt Edge, To-morrow, Pickrell, Belle Medico, Maita, Henrietta Page, Belle Strawberry, Christmas Eve, Enriqueta, Belle of the Oaks, Goldnut, Zulieka, Ashburner Lass, Manuela, Sweet Milk | Wilfred Page | Penn's Grove. |
| *Holsteins.* | | |
| Mahomet of Palo Alto, Nadine Veeman, Montague, Capeador, Susto, Village Lad, Brezuelo, Brovura, Bragado, Zelo, Duke of Palo Alto, Zorra, Amargon, Asuno, Pansyne, Laurentine, Clarissa, Pietza Piersma, Ledo, Morosa, Mecox, Zonita, Ojinero, Patino | Leland Stanford | San Francisco. |
| *Durhams.* | | |
| Counselor, Sullivan, Maytook, Syoc, Chancellor, Cavalier, Mikado, Ben Hur, Grover C, Robert I, Uno, Oliver T, 3d Belle of Antelope, 4th Belle of Antelope, Mountain Maid, Rosaly K, 2d Rosaly K, Nettie P, Patty, Ruby B, True B, 3d Rosaly K, 8th Belle of Antelope | P. Peterson | Sites. |
| Kirklevington Oxford Count, Belle 27th, Hattie, Flora 7th, Burnetta 7th, Gussie, Red Rose, Prince 2d, Prince 3d | P. S. Childs | Davisville |

FIRST DEPARTMENT—Continued.

| NAME. | Owner. | Residence. |
|---|---|---|
| *Holsteins.* | | |
| Sedro, El Cuerro Netherlands, Billie Taylor, Von Moltke, King of Menlo, Sedro's Thistle, Navarre, Star of Lee, Silk, Cortez, Sylpha, Thissa, Kyeless, Ontarette, Edenia, Little Minch, Pamola, Misty Morning, Bontje 2d, Aaggie Kathleen | F. H. Burke | Menlo Park. |
| *Durhams.* | | |
| 3d Kirklevington of F. H., 5th Kirklevington of F. H., 26th Kirklevington of F. H., 43d Kirklevington of F. H., Jessie Maynard 3d, 4th Rose of F. H., 21st Rose of F. H., Jessie Maynard 4th, Amelia 12th, Oxford Rose 11th, Nevada Belle 8th, 28th Rose of F. H., Oxford Rose 12th, Red Dolly 27th; and eleven head of Cotswold sheep | Coleman Younger & Son | San José. |
| *Angora Goats.* | | |
| Gov. Helm and nine of his progeny | T. H. Harlan | Williams. |

## SECOND DEPARTMENT.

### CLASS I—MACHINERY, ENGINES, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Pacific Manufacturing Co. | San Francisco | Apparatus for raising water for irrigating purposes. |
| Pacific Manufacturing Co. | San Francisco | Well pump. |
| Stanton, Thomson & Co. | Sacramento | Well pump. |
| Stanton, Thomson & Co. | Sacramento | Machine for manufacturing field and garden fence. |
| Pacific Manufacturing Co. | San Francisco | Rotary pump for irrigating purposes. |
| Root, Neilson & Co. | Sacramento | Apparatus for raising water for irrigating purposes. |
| Root, Neilson & Co. | Sacramento | College City pump and horse-power combined. |
| Huntington, Hopkins & Co. | Sacramento | Saw gummer. |
| F. A. Huntington | San Francisco | Model centrifugal roller quartz mill. |
| Park & Lacy | San Francisco | Westinghouse steam engine, fifteen horse-power (imported). |
| George W. Topping | Sacramento | Well pump. |
| Wm. Gutenberger | Sacramento | Apparatus for raising water for irrigating or mining purposes. |
| Pacific Saw Mfg Co. | San Francisco | Saw gummer. |
| George W. Topping | Sacramento | Steam engine, two horse-power, California manufacture. |
| William Gutenberger | Sacramento | Well pump. |

SECOND DEPARTMENT—Continued.

CLASS II—AGRICULTURAL MACHINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| S. C. H. Agricultural W'ks. | Stockton | Hay press. |
| Stanton, Thomson & Co. | Sacramento | Cider mill and press. |
| Stanton, Thomson & Co. | Sacramento | Horse hay rake. |
| Stanton, Thomson & Co. | Sacramento | Hay and straw cutter. |
| Stanton, Thomson & Co. | Sacramento | Lawn mower. |
| A. & A. Heilbron | Sacramento | Horse hay rake. |
| A. & A. Heilbron | Sacramento | Hay and straw cutter. |
| A. & A. Heilbron | Sacramento | Lawn mower. |
| Truman, Hooker & Co. | San Francisco | Horse hay rake. |
| Baker & Hamilton | Sacramento | Thrashing machine. |
| Baker & Hamilton | Sacramento | Cider mill and press. |
| Baker & Hamilton | Sacramento | Horse hay rake, Tiger. |
| Baker & Hamilton | Sacramento | Hay and straw cutter. |
| Baker & Hamilton | Sacramento | Power corn sheller. |
| Baker & Hamilton | Sacramento | Hand corn sheller. |
| Baker & Hamilton | Sacramento | Lawn mower. |
| Benicia Agricultural W'ks. | Benicia | Display of agricultural machinery by any one house, California manufacture. |
| Benicia Agricultural W'ks. | Benicia | Sweep horse-power. |
| G. G. Wickson & Co. | San Francisco | Hay and straw cutter. |
| Minnesota Thresher Mfg Co. | Oakland | Thrashing machine. |

CLASS III—AGRICULTURAL MACHINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| J. H. Stevens | Sacramento | Harrow. |
| S. C. H. Agricultural W'ks | Stockton | Combined header and thrasher. |
| Theodore Palm | Sacramento | Derrick for stacking grain. |
| Holt Bros. | Stockton | Combined header and thrasher. |
| Stanton, Thomson & Co. | Sacramento | Grain broadcast sowing machine. |
| Stanton, Thomson & Co. | Sacramento | Mowing machine. |
| Stanton, Thomson & Co. | Sacramento | Self-binding harvester. |
| Stanton, Thomson & Co. | Sacramento | Hay pitching machine. |
| Stanton, Thomson & Co. | Sacramento | Corn planter, hand power. |
| Stanton, Thomson & Co. | Sacramento | Harrow. |
| Stanton, Thomson & Co. | Sacramento | One-horse cultivator. |
| Stanton, Thomson & Co. | Sacramento | Cultivator. |
| Stanton, Thomson & Co. | Sacramento | Disk harrow. |
| A. B. Brentner | Fresno | Flexible harrow. |
| Burge & Donahoo | San Francisco | Harrow. |
| A. & A. Heilbron | Sacramento | Grain broadcast sowing machine. |
| A. & A. Heilbron | Sacramento | Mowing machine. |
| A. & A. Heilbron | Sacramento | Display of reaping and mowing machine knives. |
| A. & A. Heilbron | Sacramento | Self-binding harvester. |
| A. & A. Heilbron | Sacramento | Harrow. |
| A. & A. Heilbron | Sacramento | One-horse cultivator. |
| A. & A. Heilbron | Sacramento | Cultivator. |
| A. & A. Heilbron | Sacramento | Horse hoe. |
| Truman, Hooker & Co. | San Francisco | Harrow. |
| Truman, Hooker & Co. | San Francisco | One-horse cultivator. |
| Truman, Hooker & Co. | San Francisco | Cultivator. |
| Baker & Hamilton | Sacramento | Lifter for header. |
| Baker & Hamilton | Sacramento | Mowing machine. |
| Baker & Hamilton | Sacramento | Combined reaper and mower. |
| Baker & Hamilton | Sacramento | Hand corn sheller. |
| Baker & Hamilton | Sacramento | Potato planter. |
| Baker & Hamilton | Sacramento | One-horse cultivator. |
| Baker & Hamilton | Sacramento | Harrow. |
| Baker & Hamilton | Sacramento | Cultivator. |
| Baker & Hamilton | Sacramento | Horse hoe. |
| Baker & Hamilton | Sacramento | Double shovel plow. |
| Benicia Agricultural W'ks | Benicia | Grain broadcast sowing machine. |
| Benicia Agricultural W'ks | Benicia | Harrow. |

SECOND DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Benicia Agricultural W'ks | Benicia | One-horse cultivator. |
| Benicia Agricultural W'ks | Benicia | Cultivator. |
| Benicia Agricultural W'ks | Benicia | Horse hoe. |
| William Gutenberger | Sacramento | Field roller and crusher. |
| Baker & Hamilton | Sacramento | Grain broadcast sowing machine. |
| Bull & Grant | Sacramento | Acme harrow. |
| Minnesota Thresher Mfg Co. | Oakland | Self-feeder for thrashing machine. |
| Truman, Hooker & Co. | San Francisco | Grain broadcast sowing machine. |
| Truman, Hooker & Co. | San Francisco | Wheat drill. |

CLASS IV—AGRICULTURAL MACHINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| John Donnelly | San Mateo | Farm gate. |
| John Klees | Sacramento | Fanning mill. |
| John Klees | Sacramento | Grain cleaner (Independent). |
| A. T. Ames | Galt | Windmill. |
| Pacific Manufacturing Co. | San Francisco | Windmill. |
| Henry Goossen | Cordelia | Farm gate. |
| Stanton, Thomson & Co. | Sacramento | Windmill. |
| W. O. Pierce | Sacramento | Model farm gate. |
| S. C. H. Agricultural W'ks | Stockton | Grain cleaner (Independent). |
| S. C. H. Agricultural W'ks | Stockton | Grain cleaning attachment for thrasher. |
| C. J. Long | Williams | Model farm gate. |
| Baker & Hamilton | Sacramento | Grain cleaning attachment for thrasher. |
| Benicia Agricultural W'ks | Benicia | Farm feed mill. |
| G. G. Wickson & Co. | San Francisco | Farm feed mill. |
| G. G. Wickson & Co. | San Francisco | Beehive, without bees. |
| G. G. Wickson & Co. | San Francisco | Agricultural boiler. |

CLASS V—TOOLS AND HOUSEHOLD IMPLEMENTS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Stanton, Thomson & Co. | Sacramento | Display of haying and harvesting tools. |
| Stanton, Thomson & Co. | Sacramento | Farm road scraper. |
| Stanton, Thomson & Co. | Sacramento | Garden seed drill. |
| Stanton, Thomson & Co. | Sacramento | Washing machine. |
| Huntington, Hopkins & Co. | Sacramento | Cabbage cutter. |
| Huntington, Hopkins & Co. | Sacramento | Pruning knives. |
| Huntington, Hopkins & Co. | Sacramento | Pruning shears. |
| Huntington, Hopkins & Co. | Sacramento | Sausage-meat cutter and stuffer. |
| A. S. Hopkins & Bro. | Sacramento | Churn. |
| A. S. Hopkins & Bro. | Sacramento | Butter worker. |
| A. S. Hopkins & Bro. | Sacramento | Washing machine. |
| A. S. Hopkins & Bro. | Sacramento | Clothes wringer. |
| A. S. Hopkins & Bro. | Sacramento | Clothes horse to occupy least space. |
| James Linforth | San Francisco | Zimmerman's fruit evaporator or drier. |
| A. & A. Heilbron | Sacramento | Display of haying and harvesting tools. |
| A. & A. Heilbron | Sacramento | Farm road scraper. |
| Benicia Agricultural W'ks | Benicia | Farm road scraper. |
| Pacific Saw Mfg Co. | San Francisco | Pruning shears. |
| Pacific Saw Mfg Co. | San Francisco | Pruning knives. |
| Baker & Hamilton | Sacramento | Display of haying and harvesting tools. |
| Baker & Hamilton | Sacramento | Garden seed drill. |
| E. W. Melvin | Sacramento | Newbecker washing machine. |
| E. W. Melvin | Sacramento | Empire clothes wringer. |
| G. G. Wickson & Co. | San Francisco | Churn. |
| G. G. Wickson & Co. | San Francisco | Butter worker. |
| G. G. Wickson & Co. | San Francisco | Cheese vat with heater attached. |
| G. G. Wickson & Co. | San Francisco | Display of dairy machinery. |
| G. G. Wickson & Co. | San Francisco | Cheese press. |
| G. G. Wickson & Co. | San Francisco | Washing machine. |

SECOND DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| G. G. Wickson & Co. | San Francisco | Milk cooler. |
| Bull & Grant | Sacramento | Farm road scraper. |
| W. H. Murray | San Francisco | Harvey's hot water and steam radiators. |
| P. R. and Holstein Dairy Co. | Point Reyes | Churn. |
| P. R. and Holstein Dairy Co. | Point Reyes | Butter worker. |
| P. R. and Holstein Dairy Co. | Point Reyes | Display of dairy machinery. |

CLASS VI—PLOWS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| G. W. Hains | Stockton | Gang plow. |
| Stanton, Thomson & Co. | Sacramento | Gang plow. |
| Stanton, Thomson & Co. | Sacramento | Sulky plow. |
| Stanton, Thomson & Co. | Sacramento | Stubble plow. |
| Stanton, Thomson & Co. | Sacramento | Sod plow. |
| Stanton, Thomson & Co. | Sacramento | Steel plow. |
| Stanton, Thomson & Co. | Sacramento | Cast-iron plow. |
| Stanton, Thomson & Co. | Sacramento | Sidehill plow. |
| Stanton, Thomson & Co. | Sacramento | One-horse plow. |
| Stanton, Thomson & Co. | Sacramento | Dynamometer. |
| Stanton, Thomson & Co. | Sacramento | Chilled plow. |
| Stanton, Thomson & Co. | Sacramento | Plow for all purposes. |
| Stanton, Thomson & Co. | Sacramento | Vineyard plow. |
| S. C. H. Agricultural W'ks. | Stockton | Curved standard bench beam gang plow. |
| G. W. Hains | Stockton | Sulky plow. |
| Burge & Donahoo | San Francisco | Gang plow. |
| Burge & Donahoo | San Francisco | Sulky plow. |
| Burge & Donahoo | San Francisco | One-horse plow. |
| Burge & Donahoo | San Francisco | Road plow. |
| Burge & Donahoo | San Francisco | Steel plow. |
| Burge & Donahoo | San Francisco | Single wheel stubble plow. |
| A. & A. Heilbron | Sacramento | Gang plow. |
| A. & A. Heilbron | Sacramento | Sulky plow. |
| A. & A. Heilbron | Sacramento | Stubble plow. |
| A. & A. Heilbron | Sacramento | Sod plow. |
| A. & A. Heilbron | Sacramento | Steel plow. |
| A. & A. Heilbron | Sacramento | Cast-iron plow. |
| A. & A. Heilbron | Sacramento | One-horse plow. |
| A. & A. Heilbron | Sacramento | Chilled plow. |
| A. & A. Heilbron | Sacramento | Plow for all purposes. |
| A. & A. Heilbron | Sacramento | Vineyard plow. |
| Truman, Hooker & Co. | San Francisco | Gang plow. |
| Truman, Hooker & Co. | San Francisco | Sulky plow. |
| Truman, Hooker & Co. | San Francisco | Stubble plow. |
| Truman, Hooker & Co. | San Francisco | Sod plow. |
| Truman, Hooker & Co. | San Francisco | Steel plow. |
| Truman, Hooker & Co. | San Francisco | Subsoil plow. |
| Truman, Hooker & Co. | San Francisco | One-horse plow. |
| Truman, Hooker & Co. | San Francisco | Plow for all purposes. |
| Truman, Hooker & Co. | San Francisco | Vineyard plow. |
| Benicia Agricultural W'ks. | Benicia | Gang plow. |
| Benicia Agricultural W'ks | Benicia | Sulky plow. |
| Benicia Agricultural W'ks. | Benicia | Stubble plow. |
| Benicia Agricultural W'ks. | Benicia | Sod plow. |
| Benicia Agricultural W'ks. | Benicia | Steel plow. |
| Benicia Agricultural W'ks. | Benicia | Subsoil plow. |
| Benicia Agricultural W'ks. | Benicia | Sidehill plow. |
| Benicia Agricultural W'ks. | Benicia | One-horse plow. |
| Benicia Agricultural W'ks. | Benicia | Plow for all purposes. |
| Benicia Agricultural W'ks. | Benicia | Vineyard plow. |
| Baker & Hamilton | Sacramento | Stubble plow. |
| Baker & Hamilton | Sacramento | Sod plow. |
| Baker & Hamilton | Sacramento | Steel plow. |
| Baker & Hamilton | Sacramento | Cast-iron plow. |
| Baker & Hamilton | Sacramento | Sidehill plow. |
| Baker & Hamilton | Sacramento | One-horse plow. |

SECOND DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Baker & Hamilton | Sacramento | Chilled plow. |
| Baker & Hamilton | Sacramento | Plow for all purposes. |
| Baker & Hamilton | Sacramento | Vineyard plow. |

CLASS VII—VEHICLES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| J. W. Wilson | Sacramento | Closed family carriage. |
| W. E. Shaw | San Francisco | Pleasure cart. |
| W. E. Shaw | San Francisco | Track sulky. |
| Stanton, Thomson & Co. | Sacramento | Open family carriage. |
| Stanton, Thomson & Co. | Sacramento | Top buggy. |
| Stanton, Thomson & Co. | Sacramento | Open buggy. |
| Stanton, Thomson & Co. | Sacramento | Farm wagon for general purposes. |
| Stanton, Thomson & Co. | Sacramento | Ladies' phaeton. |
| A. Meister | Sacramento | Open family carriage. |
| A. Meister | Sacramento | Top buggy. |
| A. Meister | Sacramento | Open buggy. |
| A. Meister | Sacramento | Pleasure cart. |
| A. Meister | Sacramento | Ladies' phaeton. |
| A. Meister | Sacramento | Two-seated open wagon. |
| A. Meister | Sacramento | Trotting wagon. |
| Charles Ott, Jr. | Sacramento | Spring market wagon. |
| Charles Ott, Jr. | Sacramento | Business wagon. |
| Elijah Hickman | Red Bluff | Farm wagon for general purposes. |
| J. F. Hill, Jr. | Sacramento | Exhibition of California grown wood. |
| J. Sovereign | Woodland | Breaking cart. |
| J. Jepsen | Sacramento | Closed family carriage. |
| J. Jepsen | Sacramento | Top buggy. |
| J. Jepsen | Sacramento | Two-seated open buggy. |
| J. Jepsen | Sacramento | Ladies' phaeton. |
| Chris. Nielsen | Sacramento | Top buggy. |
| Chris. Nielsen | Sacramento | Ladies' phaeton. |
| Chris. Nielsen | Sacramento | Business wagon. |
| Chris. Nielsen | Sacramento | Open buggy. |
| A. & A. Heilbron | Sacramento | Farm wagon for general purposes. |
| Baker & Hamilton | Sacramento | Farm wagon for general purposes. |
| Benicia Agricultural Wk's. | Benicia | Two-seated open wagon. |
| Benicia Agricultural Wk's. | Benicia | Farm wagon for general purposes. |
| A. Meister | Sacramento | Spring market wagon. |
| A. Meister | Sacramento | Business wagon. |
| Studebaker Bros. | Sacramento | Open family carriage. |
| Studebaker Bros. | Sacramento | Top buggy. |
| Studebaker Bros. | Sacramento | Two-seated open wagon. |
| Studebaker Bros. | Sacramento | Pleasure cart. |
| Studebaker Bros. | Sacramento | Breaking cart. |
| Studebaker Bros. | Sacramento | Ladies' phaeton. |
| Studebaker Bros. | Sacramento | Carriage or cab for children. |
| Studebaker Bros. | Sacramento | Assortment of carriage material and trimmings. |
| Truman & Hooker | San Francisco | Track sulky. |

GOLD MEDAL ENTRIES—MACHINERY, IMPLEMENTS, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Studebaker Bros. | Sacramento | Carriages, vehicles, trimmings, etc. |
| A. Meister | Sacramento | Vehicles. |
| A. & A. Heilbron | Sacramento | Agricultural machinery, vehicles, plows, etc. |
| Stanton, Thomson & Co. | Sacramento | Agricultural machinery, vehicles, plows, etc. |

SECOND DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| S. C. H. Agricultural W'ks. | Stockton | Combined header and thrasher, plow cleaners, and patent shoe. |
| Benicia Agricultural W'ks. | Benicia | Combined header and thrasher, agricultural machinery, plows, vehicles, etc. |
| G. G. Wickson & Co. | San Francisco | Agricultural machinery, and display of dairy machinery, etc. |
| Pacific Manufacturing Co. | Sacramento | Pumps and windmills. |
| W. E. Shaw | San Francisco | Vehicles. |
| Truman, Hooker & Co. | San Francisco | Agricultural machinery, vehicles, plows, etc. |

## THIRD DEPARTMENT.

### CLASS I—CLOTHING AND KINDRED TEXTURES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| F. H. Coffman | Sacramento | Twenty-five yards rag carpet. |
| David Crise | Escondido | Display of burlap rugs, home made. |
| D. H. Quinn | Sacramento | Display of hats and caps. |
| D. H. Quinn | Sacramento | Best silk hat. |
| D. H. Quinn | Sacramento | Best soft hat. |
| Mrs. M. H. Ober | San Francisco | Ladies' shoulder braces and corsets. |
| Ingram & Bird | Sacramento | Exhibition of carpets and rugs. |
| Ingram & Bird | Sacramento | Best fifteen yards woolen carpets. |
| Ingram & Bird | Sacramento | Best Turkish rug. |
| California Cotton Mills | East Oakland | Best display of towels and table cloth. |
| California Cotton Mills | East Oakland | Ten pounds dressed flax. |
| California Cotton Mills | East Oakland | Ten yards cotton duck and toweling. |
| California Cotton Mills | East Oakland | Linen sack twine. |
| California Cotton Mills | East Oakland | Ten yards kersey. |
| Chas. M. Campbell | Sacramento | Exhibits of carpets and rugs. |
| Chas. M. Campbell | Sacramento | Fifteen yards woolen carpet. |
| Chas. M. Campbell | Sacramento | Double carpet coverlet. |
| Weinstock & Lubin | Sacramento | Mackinac blanket. |
| Weinstock & Lubin | Sacramento | Display of dry goods. |
| Golden Gate Woolen Mills | San Francisco | Mackinac blanket. |
| Christy & Wise | San Francisco | Samples of California wools. |

### CLASS II—NEEDLE, SHELL, AND WAXWORK.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. J. L. Brown | Sacramento | Two embroidered velvet banners. |
| Miss Lizzie F. Mund | Sacramento | One embroidered table scarf (two ends). |
| Mrs. Clara Spooner | Ash Valley | One embroidered piano scarf (two ends). |
| Miss Ida M. Isaacs | Sacramento | One embroidered sofa pillow and one embroidered handkerchief. |
| Miss Ida M. Isaacs | Sacramento | One embroidered table scarf (raised work). |
| Miss Ida M. Isaacs | Sacramento | One child's crochet set. |
| Miss Ida M. Isaacs | Sacramento | One embroidered lambrequin. |
| Miss Ida M. Isaacs | Sacramento | One embroidered table cover. |
| Mrs. S. M. Leichleiter | Sacramento | One embroidered chenille sofa pillow. |
| Mrs. Dr. W. R. Cluness | Sacramento | One embroidered table cover. |
| Mrs. Dr. W. R. Cluness | Sacramento | One silk quilt. |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. J. H. Rothwell | Sacramento | One needlework picture. |
| Mrs. J. C. Jacka | Sacramento | One embroidered shawl. |
| Mrs. J. C. Jacka | Sacramento | One sofa pillow. |
| Mrs. J. C. Jacka | Sacramento | Three pieces Indian embroidery. |
| Mrs. J. C. Jacka | Sacramento | Five pieces point lace. |
| Miss Loretta Bohl | Sacramento | One embroidered table cover. |
| Miss Loretta Bohl | Sacramento | One handkerchief case. |
| Miss Loretta Bohl | Sacramento | One crochet skirt. |
| Miss Loretta Bohl | Sacramento | Two pieces crochet. |
| Miss Loretta Bohl | Sacramento | One etched tidy. |
| Miss Loretta Bohl | Sacramento | One embroidered traveling satchel. |
| Miss Loretta Bohl | Sacramento | One sofa cushion slumber. |
| Miss Hattie M. Houston | Courtland | Twelve pieces variety porcelain painting. |
| Miss Hattie M. Houston | Courtland | Display of decorative painting on bolting cloth. |
| Mrs. J. G. Jackson | San Francisco | One crochet shawl. |
| Mrs. J. G. Jackson | San Francisco | One crochet skirt. |
| Mrs. J. G. Jackson | San Francisco | One crochet bead bag. |
| Mrs. J. G. Jackson | San Francisco | One crochet apron. |
| Mrs. J. G. Jackson | San Francisco | Seven crochet tidies. |
| Mrs. J. G. Jackson | San Francisco | Three crochet cord bags. |
| Mrs. J. G. Jackson | San Francisco | Three embroidered cord bags. |
| Mrs. Horace Adams | Oakland | Four embroidered infants' shawls. |
| Mrs. Horace Adams | Oakland | One embroidered infant's dress. |
| Mrs. Horace Adams | Oakland | One embroidered child's skirt. |
| Mrs. Hattie Gardiner | Pleasant Valley | Two beadwork purses. |
| Mrs. Hattie Gardiner | Pleasant Valley | One crochet shawl. |
| Mrs. Hattie Gardiner | Pleasant Valley | One child's afghan. |
| Mrs. Hattie Gardiner | Pleasant Valley | One lounge afghan. |
| Mrs. Hattie Gardiner | Pleasant Valley | Thirteen varieties ornamented grasses. |
| Mrs. Hattie Gardiner | Pleasant Valley | Display of paper flowers. |
| Mrs. Hattie Gardiner | Pleasant Valley | One sofa pillow. |
| Mrs. Hattie Gardiner | Pleasant Valley | Six pieces outlined embroidery. |
| Miss Susie V. Staples | El Dorado | Six pieces point and honiton lace. |
| Miss Susie V. Staples | El Dorado | Two handkerchiefs, point lace. |
| Miss Susie V. Staples | El Dorado | Three handkerchiefs, honiton lace. |
| Miss Susie V. Staples | El Dorado | One barbed honiton lace. |
| Miss Susie V. Staples | El Dorado | One collar, honiton and point lace. |
| Miss Susie V. Staples | El Dorado | One long piece honiton lace. |
| Miss Susie V. Staples | El Dorado | One skirt, honiton lace. |
| Miss Susie V. Staples | El Dorado | One butterfly, honiton lace. |
| Miss Susie V. Staples | El Dorado | Two pieces point applique lace. |
| Miss Susie V. Staples | El Dorado | Two handkerchiefs, Spanish drawn work. |
| Miss Susie V. Staples | El Dorado | One pair drawers, Spanish drawn work. |
| Miss Susie V. Staples | El Dorado | One chemise, Spanish drawn work. |
| Miss Susie V. Staples | El Dorado | Cotton embroidery, one skirt, two pair drawers. |
| Mrs. Mary Strub | Sacramento | Two frames of shellwork. |
| Mrs. Mary Strub | Sacramento | One small table (shellwork). |
| Mrs. R. S. Frazee | Sacramento | One crochet afghan. |
| Mrs. R. S. Frazee | Sacramento | Two crochet child's dresses. |
| Mrs. R. S. Frazee | Sacramento | Two crochet tidies. |
| Mrs. R. S. Frazee | Sacramento | Four pairs crochet pillow cases. |
| Mrs. R. S. Frazee | Sacramento | One crochet child's collar. |
| Mrs. R. S. Frazee | Sacramento | One crochet lady's skirt. |
| Mrs. R. S. Frazee | Sacramento | One pair crochet window shades. |
| Mrs. R. S. Frazee | Sacramento | One crochet apron. |
| Mrs. R. S. Frazee | Sacramento | One card of samples of crochet work. |
| Miss Rosa Baumle | Sacramento | One crazy patchwork quilt. |
| Miss Rosa Baumle | Sacramento | One sofa cushion. |
| Mrs. Cushing | Sacramento | One crazy patchwork quilt. |
| Mrs. Cushing | Sacramento | Two pillow shams. |
| Mrs. S. M. Leichleiter | Sacramento | Display of shells and corals. |
| Mrs. M. E. Osgood | Sacramento | Three patchwork quilts. |
| Mrs. A. M. Fish | Sacramento | Three pieces Kensington embroidery, with crewel in wool. |
| Mrs. A. M. Fish | Sacramento | One child's afghan. |
| Mrs. A. M. Fish | Sacramento | One needlework picture. |
| Mrs. A. M. Fish | Sacramento | One lamp mat. |
| Mrs. A. M. Fish | Sacramento | Three knit skirts. |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Miss Sophia Conrad | Sacramento | One crochet bedspread. |
| Miss Sophia Conrad | Sacramento | One knit bedspread. |
| Miss Sophia Conrad | Sacramento | Three pieces of hand sewing. |
| Mrs. Chas. Robin | Sacramento | One embroidered piano cover. |
| Mrs. Chas. Robin | Sacramento | One embroidered table scarf. |
| Mrs. Chas. Robin | Sacramento | One embroidered table scarf. |
| Mrs. Chas. Robin | Sacramento | Two embr'd toilet sets (six pieces each). |
| Mrs. Chas. Robin | Sacramento | One knitted worsted skirt. |
| Mrs. M. E. Tryon | Sacramento | One embroidered bed quilt. |
| Mrs. M. E. Tryon | Sacramento | One crazy patchwork quilt. |
| Geo. M. Purnell | Sacramento | One embroidered chair seat and back. |
| Geo. M. Purnell | Sacramento | One embroidered silk quilt. |
| Geo. M. Purnell | Sacramento | One patchwork quilt. |
| Geo. M. Purnell | Sacramento | One piece of raised wool work. |
| Mrs. Ida Branen | Vacaville | One piece of chenille embroidery. |
| Mrs. Ida Branen | Vacaville | One piece of raised chenille embroidery. |
| Mrs. J. W. Cotton | Dixon | One embroidered wall panel. |
| Mrs. J. W. Cotton | Dixon | One embroidered banner (arrasene work). |
| Mrs. J. W. Cotton | Dixon | One scarf (applique work). |
| Mrs. Theo. Deming | Sacramento | One sofa pillow (Kensington). |
| Mrs. Theo. Deming | Sacramento | One embroidered fire screen. |
| Theo. Deming | Sacramento | One sofa pillow, in Kensington. |
| Theo. Deming | Sacramento | One embroidered fire screen. |
| Theo. Deming | Sacramento | One pair paddles, Kensington work. |
| Theo. Deming | Sacramento | One table scarf, Kensington work. |
| Theo. Deming | Sacramento | One pair knit mittens. |
| Miss S. Pearson | Sacramento | One knit bedspread. |
| Mrs. W. C. Brown | Sacramento | One braided pillow scarf. |
| Mrs. W. C. Brown | Sacramento | One pair braided pillow shams. |
| Misses C. and M. Brothers | Sacramento | Display of millinery. |
| Misses C. and M. Brothers | Sacramento | Velvet bonnet. |
| Misses C. and M. Brothers | Sacramento | Velvet hat. |
| Misses C. and M. Brothers | Sacramento | Silk bonnet. |
| Misses C. and M. Brothers | Sacramento | Display of feathers. |
| Misses C. and M. Brothers | Sacramento | Varieties of artificial flowers. |
| Miss A. L. Chandler | Nicolaus | One lounge afghan. |
| Miss A. L. Chandler | Nicolaus | One embroidered table cover. |
| Miss A. L. Chandler | Nicolaus | Two embroidered table scarfs. |
| Miss A. L. Chandler | Nicolaus | One embroidered sofa pillow, two designs. |
| Miss A. L. Chandler | Nicolaus | One sofa pillow, two designs. |
| Miss A. L. Chandler | Nicolaus | Three embroidered banners. |
| Miss A. L. Chandler | Nicolaus | One embroidered drape. |
| Miss A. L. Chandler | Nicolaus | One embroidered picture frame. |
| Miss A. L. Chandler | Nicolaus | Embroidered picture (Knight and Lady). |
| Miss A. L. Chandler | Nicolaus | One embroidered toilet set of cushions and two bottles. |
| Miss A. L. Chandler | Nicolaus | Three embroidered mats and scarfs. |
| Miss A. L. Chandler | Nicolaus | One pair pillow shams. |
| Mrs. J. Corbin | Michigan Bar | One patchwork star quilt. |
| Mrs. W. H. Wright | Sacramento | One embroidered wall paddle. |
| Mrs. W. H. Wright | Sacramento | One embroidered table cover. |
| Mrs. W. H. Wright | Sacramento | One embroidered sofa pillow. |
| Mrs. W. H. Wright | Sacramento | One pair knit socks, one pair stockings, one pair mittens. |
| Mrs. C. A. Patrick | Sacramento | Display of children's clothing. |
| Mrs. C. A. Patrick | Sacramento | One baby's flannel skirt. |
| Mrs. C. A. Patrick | Sacramento | Two babies' wool hoods. |
| Mrs. C. A. Patrick | Sacramento | One baby's wool skirt (crochet). |
| Mrs. C. A. Patrick | Sacramento | Two infants' lawn dresses. |
| Mrs. C. A. Patrick | Sacramento | One baby skirt dress, hand made lace. |
| Mrs. C. A. Patrick | Sacramento | Two infants' night dresses. |
| Mrs. C. A. Patrick | Sacramento | Three little girls' trimmed dresses. |
| Mrs. C. A. Patrick | Sacramento | One child's skirt. |
| Mrs. C. A. Patrick | Sacramento | Two ladies' skirts, crochet trimming. |
| Mrs. C. A. Patrick | Sacramento | One set ladies' underwear (nightgown, chemise, drawers, and corset covers). |
| Mrs. C. A. Patrick | Sacramento | Three children's aprons. |
| Mrs. C. A. Patrick | Sacramento | One girl's dress. |
| Mrs. C. A. Patrick | Sacramento | One chemise and drawers, lace trimmed. |
| Mrs. C. A. Patrick | Sacramento | Two hand made chemise, lace trimmed. |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. C. A. Patrick | Sacramento | Two children's guimpes. |
| Mrs. C. A. Patrick | Sacramento | One plush embroidered tidy. |
| Mrs. C. A. Patrick | Sacramento | Two nightgowns. |
| McKim & Orth | Sacramento | Stocking yarn. |
| McKim & Orth | Sacramento | Display of fancy goods. |
| McKim & Orth | Sacramento | Children's clothing, California made. |
| McKim & Orth | Sacramento | Embroidered handkerchief. |
| McKim & Orth | Sacramento | Silk embroidery on flannel. |
| McKim & Orth | Sacramento | Display of lace made by hand, not less than five pieces. |
| McKim & Orth | Sacramento | Crochet shawl. |
| McKim & Orth | Sacramento | Crochet cape. |
| Mrs. George Muddox | Sacramento | Two crochet bedspreads. |
| Mrs. W. M. Lyon | Sacramento | One piece Kensington embroidery. |
| Mrs. W. M. Lyon | Sacramento | One painting on bolting cloth. |
| Mrs. W. M. Lyon | Sacramento | Surface plush painting. |
| Mrs. W. M. Lyon | Sacramento | Bead work. |
| Mrs. W. M. Lyon | Sacramento | Kensington painting. |
| Mrs. W. M. Lyon | Sacramento | Piece of raised silk work. |
| Mrs. W. M. Lyon | Sacramento | Three pieces of painting on ivorine. |
| Mrs. W. M. Lyon | Sacramento | One mussel set (thirteen pieces). |
| Mrs. W. M. Lyon | Sacramento | Twelve dinner plates. |
| Mrs. W. M. Lyon | Sacramento | One salad set (seven pieces). |
| Mrs. W. M. Lyon | Sacramento | One chocolate set (twenty-five pieces). |
| Mrs. W. M. Lyon | Sacramento | Six cake plates. |
| Mrs. W. M. Lyon | Sacramento | Six tea plates. |
| Mrs. W. M. Lyon | Sacramento | Three fancy plaques. |
| Mrs. W. M. Lyon | Sacramento | One mush bowl and plate. |
| Mrs. W. M. Lyon | Sacramento | Six afterdinner cups and saucers. |
| Mrs. Mary Miller | Dixon | Two fancy plaques. |
| Mrs. Mary Miller | Dixon | Six painted vases. |
| Miss Mary E. Miller | Dixon | Largest display and best variety of porcelain painting (sixty-six pieces). |
| Mrs. Hugh Casey | Sacramento | Two needle-worked pictures. |
| Mrs. Hugh Casey | Sacramento | One embroidered needle-worked picture on silk. |
| Mrs. Ravena | San Francisco | Best bead work (by hand). |
| McKim & Orth | Sacramento | Best silk hosiery. |
| Mrs. O. Summers | Sacramento | Two embroidered pillow shams. |
| Mrs. O. Summers | Sacramento | One embroidered sheet sham. |
| Mrs. O. Summers | Sacramento | One embroidered table cloth. |
| Mrs. O. Summers | Sacramento | Two embroidered aprons. |
| Miss Eda Mohr | Sacramento | One embroidered table scarf (two ends). |
| Miss Eda Mohr | Sacramento | Largest display of Turkish embroidery. |
| Miss Eda Mohr | Sacramento | Raised silk work. |
| Miss Eda Mohr | Sacramento | Spanish drawn work. |
| Mrs. Agnes Hummel | Sacramento | Embroidered handkerchief. |
| Mrs. Agnes Hummel | Sacramento | Embroidery on flannel. |
| Mrs. Addie Carter | Sacramento | Embroidered toilet set. |
| Mrs. Addie Carter | Sacramento | Wax flowers. |
| Mrs. Addie Carter | Sacramento | Skeleton leaves. |
| Mrs. Addie Carter | Sacramento | One embroidered infant's robe. |
| Mrs. A. Bonheim | Sacramento | One patchwork quilt. |
| Weinstock & Lubin | Sacramento | Display of millinery. |
| Weinstock & Lubin | Sacramento | Velvet bonnet. |
| Weinstock & Lubin | Sacramento | Silk bonnet. |
| Mrs. Dr. F. W. Hatch | Sacramento | Twelve embroidered dollies or doylies. |
| Mrs. Agnes Hummel | Sacramento | Two painted panels. |
| Miss Maggie O'Toole | Freeport | One painting on velvet. |
| Miss Sarah Stayback | Sacramento | One plaque on velvet. |
| Mrs. E. W. Norris | Sacramento | Embroidered table scarf (two ends). |
| Mrs. E. W. Norris | Sacramento | One embroidered fire screen. |
| Mrs. E. W. Norris | Sacramento | One embroidered sofa pillow and cushion. |
| Mrs. E. W. Norris | Sacramento | One embroidered wall panel. |
| Mrs. E. W. Norris | Sacramento | One embroidered wall banner. |
| Mrs. E. W. Norris | Sacramento | One embroidery on flannel. |
| Mrs. E. W. Norris | Sacramento | One chenille. |
| Mrs. E. W. Norris | Sacramento | One arrasene. |
| Mrs. E. W. Norris | Sacramento | One plush ribbon work. |
| Mrs. E. W. Norris | Sacramento | Needlework picture. |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. E. W. Norris | Sacramento | Best, largest, and handsomest display of articles made by lady. |
| Mrs. E. W. Norris | Sacramento | One tray embroidered pincushion. |
| Mrs. E. W. Norris | Sacramento | One pair embroidered palettes. |
| Mrs. E. W. Norris | Sacramento | One pair embroidered sachet bags. |
| Mrs. E. W. Norris | Sacramento | One pair embroidered table scarfs. |
| Mrs. E. W. Norris | Sacramento | One embroidered toilet cushion. |
| Mrs. E. W. Norris | Sacramento | One embroidered flannel skirt. |
| Mrs. E. W. Norris | Sacramento | One embroidered blotter. |
| Mrs. E. W. Norris | Sacramento | One embroidered banner (raised work). |
| Mrs. E. W. Norris | Sacramento | One embroidered wall panel. |
| Mrs. E. W. Norris | Sacramento | One embroidered dressed face. |
| Mrs. E. W. Norris | Sacramento | One embroidered panel. |
| Mrs. E. W. Norris | Sacramento | One embroidered column. |
| Mrs. E. W. Norris | Sacramento | One embroidered lambrequin and drapery. |
| Mrs. E. W. Norris | Sacramento | One pair embroidered calla lilies. |
| Miss Hattie Gardiner | Pleasant Valley | Two embroidered slumber rolls. |
| Miss Hattie Gardiner | Pleasant Valley | One pair crochet slippers. |
| Miss Hattie Gardiner | Pleasant Valley | One crazy patchwork table scarf. |
| Miss Hattie Gardiner | Pleasant Valley | Two ladies' crochet skirts. |
| Miss Hattie Gardiner | Pleasant Valley | Two pieces ladies' crochet underwear. |
| Miss Hattie Gardiner | Pleasant Valley | One suit ladies' home-made underwear. |
| Miss Rosa Baumle | Sacramento | One pair etched pillow shams. |
| Miss Rosa Baumle | Sacramento | One sofa bag (hand painted). |
| Miss Rosa Baumle | Sacramento | One embroidered plaque. |
| Miss Rosa Baumle | Sacramento | One embroidered lambrequin. |
| Miss Rosa Baumle | Sacramento | Two sets rickrack. |
| Miss Rosa Baumle | Sacramento | One Mexican lace work apron. |
| Miss Rosa Baumle | Sacramento | One rickrack apron. |
| Miss Rosa Baumle | Sacramento | One fancy apron. |
| Miss Rosa Baumle | Sacramento | One Swiss apron. |
| Miss Rosa Baumle | Sacramento | Two pieces underwear. |
| Miss Carrie Davey | Sacramento | Forty-one patterns of crochet. |
| Miss Carrie Davey | Sacramento | Seventeen patterns of crochet knitting. |
| Miss Carrie Davey | Sacramento | Five pieces crochet skirts. |
| Miss Carrie Davey | Sacramento | Four pieces crochet aprons. |
| Miss Carrie Davey | Sacramento | Three knit pillow cases. |
| Miss Carrie Davey | Sacramento | Two crochet pillow cases. |
| Miss Carrie Davey | Sacramento | One rickrack chemise. |
| Miss Carrie Davey | Sacramento | Three crochet chemises. |
| Miss Carrie Davey | Sacramento | Two sets pillow shams (etched work). |
| Miss Carrie Davey | Sacramento | Two sets sheets and shams (etched work). |
| Miss Alice Watson | Sacramento | One set of underwear, three pieces, hand made. |
| Miss Alice Watson | Sacramento | One ladies' embroidered skirt, with silk on flannel. |
| Miss Alice Watson | Sacramento | One ladies' skirt, hand lace trimming. |
| Miss Alice Watson | Sacramento | One silk embroidered pillow. |
| Miss Alice Watson | Sacramento | One Kensington embroidered pillow. |
| Miss Alice Watson | Sacramento | Two embroidered handkerchiefs. |
| Miss Alice Watson | Sacramento | Two embroidered towels. |
| Miss Alice Watson | Sacramento | Two pieces cotton embroidery. |
| Miss Alice Watson | Sacramento | One embroidered toilet set (four pieces). |
| Mrs. O. W. McGowan | Sacramento | One wreath of feather flowers. |
| Mrs. O. W. McGowan | Sacramento | One lyre of shavings flowers, made of Oregon cedar. |
| Mrs. O. W. McGowan | Sacramento | One hand-made shell pin and earrings, made of scales of fish. |
| Mrs. O. W. McGowan | Sacramento | One wreath, made of sea moss. |
| Mrs. O. W. McGowan | Sacramento | Two panel paintings on velvet. |
| Mrs. F. A. Arnold | San Francisco | One embroidered pillow, one bag, and one photo frame. |
| Mrs. F. A. Arnold | San Francisco | One embroidered lambrequin. |
| Mrs. F. A. Arnold | San Francisco | One embroidered bedspread. |
| Mrs. F. A. Arnold | San Francisco | Six embroidered silk pieces. |
| Mrs. F. A. Arnold | San Francisco | Two embroidered Turkish. |
| Mrs. F. A. Arnold | San Francisco | Three pieces Spanish drawn work. |
| Mrs. F. A. Arnold | San Francisco | One painted necktie case. |
| Mrs. Chas. Ott, Jr. | Sacramento | One child's dress. |
| Mrs. Chas. Ott, Jr. | Sacramento | Three pieces lace. |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. Joseph Morehouse | Grass Valley | Four knit pillow cases. |
| Mrs. Joseph Morehouse | Grass Valley | Four knit tidies. |
| Mrs. Joseph Morehouse | Grass Valley | Two knit lace collars. |
| Mrs. Joseph Morehouse | Grass Valley | Twenty samples of knit lace. |

SPECIAL PREMIUMS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Miss Maggie O'Toole | Freeport | One piece hand painted soup tureen. |
| Miss Hattie M. Houston | Courtland | One piece decorative painting. |
| Miss Hattie M. Houston | Courtland | One piece decorative painting on porcelain. |
| Miss S. J. Hopper | Sacramento | One China plate, hand painted. |
| Mrs. F. A. Arnold | San Francisco | One China fish set, hand painted. |
| Mrs. F. A. Arnold | San Francisco | One China tea set, hand painted. |
| Miss Eda Mohr | Sacramento | Best piece of embroidery work. |
| Miss Maggie O'Toole | Freeport | Two plaques on porcelain. |
| Mrs. F. A. Arnold | San Francisco | One embroidered fire screen. |
| Mrs. M. E. Norris | Sacramento | For best piece on embroidery. |
| Mrs. H. C. Briggs | Oakland | One decorative screen (Art Gallery). |

JUVENILE DEPARTMENT.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Anna C. Herr | Sacramento | Two crochet child's skirts. |
| Dora M. Fish, 11 years | Sacramento | One hand-made calico dress. |
| Anna M. Fish, 12 years | Sacramento | One needlework picture. |
| Clarence Ruggles, 10 years | Winters | One frame of paper flowers. |
| Clarence Ruggles | Winters | One frame of paper flowers (wreath). |
| Clarence Ruggles | Winters | One frame of paper flowers (anchor). |
| Edna Harvey, 11 years | Sacramento | One calico dress, hand made. |
| Edna Harvey | Sacramento | One etched apron. |
| Edna Harvey | Sacramento | One piece silk tatting. |
| Agnes M. Hopper, 11 years | Sacramento | One calico dress. |
| Juanita Pommer, 13 years | Sacramento | One white work dress. |
| Bertie Wassermann, 15 y'rs. | Sacramento | One fascinator. |
| Bertie Wassermann | Sacramento | One crochet shawl. |
| Bertie Wassermann | Sacramento | One piece of lace for apron. |
| Bertie Wassermann | Sacramento | One pair wristlets. |
| Bertie Wassermann | Sacramento | One knit purse. |
| Bertie Wassermann | Sacramento | One fancy apron. |
| Bertie Wassermann | Sacramento | One sewing apron. |
| Bertie Wassermann | Sacramento | One pair slippers. |
| Daisy Wassermann | Sacramento | One chemise yoke. |
| Daisy Wassermann | Sacramento | One fancy apron. |
| Daisy Wassermann | Sacramento | One baby sacque. |
| Daisy Wassermann | Sacramento | One piece of lace for skirt. |
| Daisy Wassermann | Sacramento | One crochet shawl. |
| Daisy Wassermann | Sacramento | One purse. |
| Daisy Wassermann | Sacramento | One fascinator. |
| Daisy Wassermann | Sacramento | One splasher. |
| Daisy Wassermann | Sacramento | One cushion. |
| Daisy Wassermann | Sacramento | One pair armlets. |
| Daisy Wassermann | Sacramento | One pair slippers. |
| Edna Harvey | Sacramento | One silk quilt. |
| Ida M. Isaacs | Sacramento | One embroidered sofa pillow. |
| Ida M. Isaacs | Sacramento | One embroidered handkerchief. |
| Ida M. Isaacs | Sacramento | One embroidered table scarf, raised work. |
| Ida M. Isaacs | Sacramento | One child's crochet set. |
| Ida M. Isaacs | Sacramento | One embroidered lambrequin. |
| Ida M. Isaacs | Sacramento | One embroidered table cover. |
| Miss S. Jennie Hopper | Sacramento | One panel of poppies and daisies, in oil. |
| Miss S. Jennie Hopper | Sacramento | One panel autumn leaves (Kensington). |

THIRD DEPARTMENT—Continued.

CLASS III—PRINTING, LITHOGRAPHING, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Geo. W. Hagans | San Francisco | Best sheet music. |
| W. H. Murray, agent | San Francisco | Best sheet music. |
| W. H. Murray, agent | San Francisco | Display of lithography and zincograph. |
| McCabe Lithograph Co. | San Francisco | Display of lithography and zincograph. |

GOLD MEDAL ENTRIES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Weinstock & Lubin | Sacramento | Meritorious exhibit. |
| Mrs. M. H. Ober | San Francisco | Meritorious display of ladies' and children's underwear. |
| Mrs. Hugh Casey | Sacramento | Meritorious display of needlework. |
| California Cotton Mills | San Francisco | Meritorious display of cotton goods. |

## FOURTH DEPARTMENT.

CLASS I—MANUFACTURE OF LEATHER, PAPER, AND RUBBER.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Henry Berger | Redwood City | Display of leather. |
| Whittier, Fuller & Co. | Sacramento | Display of paper hangings and borders. |
| Alvedo Meza | Sacramento | One Mexican saddle, home manufacture. |
| R. W. Neely | Sacramento | Display of men's boots, shoes, and gaiters. |
| R. W. Neely | Sacramento | One pair of heavy boots. |
| R. W. Neely | Sacramento | One pair of dress boots. |
| R. W. Neely | Sacramento | One pair of gentlemen's dress shoes. |
| R. W. Neely | Sacramento | One pair of gentlemen's Congress gaiters. |
| R. W. Neely | Sacramento | One pair of ladies' gaiters. |
| R. W. Neely | Sacramento | One pair of ladies' bootees. |
| J. Jepson & Son | Sacramento | One set single harness. |
| James Longshore | Sacramento | Exhibition of traveling trunks, bags, and valises. |
| S. P. Taylor & Co. | San Francisco | Best general display of paper (twenty-one tons), embracing white news, manilla, straw, and strawboard papers. |
| S. P. Taylor & Co. | San Francisco | Paper bags (Eagle brand). |
| T. Devlin | Arcata | Display of leather. |
| A. A. Van Voorhies & Co. | Sacramento | One set of patent harness. |
| A. A. Van Voorhies & Co. | Sacramento | One patent riding surcingle. |
| A. A. Van Voorhies & Co. | Sacramento | One pair patent interfering devices. |

CLASS II—WORKED METALS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. J. L. Baker | Sacramento | Display of kitchen utensils of tin. |
| C. W. Goddard | Sacramento | Display of horseshoes, hand made. |
| Huntington, Hopkins & Co. | Sacramento | Display of general hardware. |
| Huntington, Hopkins & Co. | Sacramento | Display of iron and steel. |
| Huntington, Hopkins & Co. | Sacramento | Display of blacksmithing tools. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Huntington, Hopkins & Co. | Sacramento | Display of pocket cutlery. |
| Huntington, Hopkins & Co. | Sacramento | Display of circular saws. |
| Huntington, Hopkins & Co. | Sacramento | Display of wire goods. |
| Huntington, Hopkins & Co. | Sacramento | Display of copper work. |
| Huntington, Hopkins & Co. | Sacramento | Display of files. |
| Huntington, Hopkins & Co. | Sacramento | Display of brass work. |
| Huntington, Hopkins & Co. | Sacramento | Display of mill saws. |
| Huntington, Hopkins & Co. | Sacramento | Display of mechanics' tools. |
| Huntington, Hopkins & Co. | Sacramento | Display of horseshoes, Phœnix machine made. |
| Huntington, Hopkins & Co. | Sacramento | Display of butcher's supplies and goods. |
| Huntington, Hopkins & Co. | Sacramento | Display of modern building hardware. |
| A. & A. Heilbron | Sacramento | Display of butcher's supplies and goods. |
| J. W. Eaton | Placerville | Display of hammer designed and manufactured by J. W. Eaton. |
| Abner Doble | San Francisco | Best display of copper work. |
| Abner Doble | San Francisco | Best display of John Wright's picks. |
| Abner Doble | San Francisco | Best display of blacksmith tools. |
| Abner Doble | San Francisco | Best display of iron and steel. |
| Pacific Saw Mfg Co. | San Francisco | Best display of circular saws. |
| Boyd & Morgan | Stockton | Best display of horseshoes, hand made and finished. |
| Selby Lead and Smelt'g Co. | San Francisco | Exhibit of shot. |
| Selby Lead and Smelt'g Co. | San Francisco | Exhibit of block tin pipe. |
| Selby Lead and Smelt'g Co. | San Francisco | Exhibit of lead pipe. |
| Selby Lead and Smelt'g Co. | San Francisco | Exhibit of anti-friction metal. |
| T. Doyle | San Francisco | Exhibit of hoof clasp. |
| T. Doyle | San Francisco | Exhibit of improved beveled horseshoe nails. |

CLASS III—STOVES, CASTINGS, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| A. Aitken | Sacramento | One parlor grate. |
| B. L. Ball | Sacramento | One farm bell. |
| Jos. F. Forderer | San Francisco | Ornamental statuary. |
| C. D. Harvey | San Francisco | Warming furnace or other apparatus. |
| Fred. Jantzen | San Francisco | Oil stove. |

CLASS IV—MUSICAL INSTRUMENTS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Antisell Piano Company, E. W. Melvin, agent | San Francisco | Upright piano. |

CLASS V—FURNITURE.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| J. D. Huffman | Lodi | Display of California woods. |
| F. Kuehne | Sacramento | Two side tables, inlaid wood. |
| Ingram & Bird | Sacramento | Set of parlor furniture. |
| Ingram & Bird | Sacramento | Display of upholstery. |
| Ingram & Bird | Sacramento | One parlor set. |
| Ingram & Bird | Sacramento | Six pairs portierres. |
| Ingram & Bird | Sacramento | Three pairs real Brussels lace curtains. |
| Ingram & Bird | Sacramento | Three pairs Nottingham lace curtains. |
| Ingram & Bird | Sacramento | Five pairs silk curtains. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Ingram & Bird | Sacramento | Fourteen pairs fancy chains for curtains. |
| Ingram & Bird | Sacramento | Twelve pairs plush and brass cornice poles. |
| Capital Furniture Co. | Sacramento | Dressing bureau. |
| Capital Furniture Co. | Sacramento | Bookcase. |
| Capital Furniture Co. | Sacramento | Wardrobe and lounge. |
| Capital Furniture Co. | Sacramento | School furniture. |
| John Breuner | Sacramento | Sofa. |
| John Breuner | Sacramento | Lounge. |
| John Breuner | Sacramento | Office chair. |
| John Breuner | Sacramento | Set of parlor chairs. |
| John Breuner | Sacramento | Center table. |
| John Breuner | Sacramento | Set of parlor furniture. |
| John Breuner | Sacramento | Display of furniture. |
| John Breuner | Sacramento | Hair mattress. |
| John Breuner | Sacramento | Sick chair or couch. |
| John Breuner | Sacramento | Spring mattress. |
| John Breuner | Sacramento | Display of upholstery. |
| John Breuner | Sacramento | Display of willow furniture. |
| John Breuner | Sacramento | Display of furniture. |
| W. D. Comstock | Sacramento | Hair mattress. |
| W. D. Comstock | Sacramento | Spring bed. |
| W. D. Comstock | Sacramento | Parlor set. |
| Warren E. Murray | San Francisco | Best display of California woods. |
| Chas. M. Campbell | Sacramento | Sofa. |
| Chas. M. Campbell | Sacramento | Wool mattress. |
| Chas. M. Campbell | Sacramento | Sick chair or couch. |
| Chas. M. Campbell | Sacramento | Spring mattress. |
| Capital Furniture Co. | Sacramento | Set of bedroom furniture. |
| W. F. Harmon | San Francisco | Spiral spring bed. |

CLASS VI—WOODENWARE.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| A. S. Hopkins & Bro. | Sacramento | Display of cedarware. |
| A. S. Hopkins & Bro. | Sacramento | Display of pineware. |
| A. S. Hopkins & Bro. | Sacramento | Display of oakware. |
| A. S. Hopkins & Bro. | Sacramento | Display of willowware. |
| A. S. Hopkins & Bro. | Sacramento | Display of split wood baskets. |
| A. S. Hopkins & Bro. | Sacramento | Display of osier. |
| A. S. Hopkins & Bro. | Sacramento | Display of woodenware. |
| A. S. Hopkins & Bro. | Sacramento | Display of broomcorn, broom, and brushes. |
| A. S. Hopkins & Bro. | Sacramento | Display of assortment of hair brushes. |
| A. S. Hopkins & Bro. | Sacramento | Display of assortment of cooper's ware. |
| E. N. Hill | Sacramento | Display of inlaid table tops. |
| Whittier, Fuller & Co. | Sacramento | Display of window shades. |
| Whittier, Fuller & Co. | Sacramento | Display of gilt frames. |
| Theo. W. Schwamb | Sacramento | Display of gilt frames. |
| Theo. W. Schwamb | Sacramento | Display of samples of twist molding, of fancy molding, and scroll sawing. |

CLASS VII—ELECTRICAL APPLIANCES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| I. X. L. Truss Company | San Francisco | I. X. L. truss. |
| C. A. Fisk | Sacramento | One electric machine. |
| W. C. Clark | San Francisco | Two electric generators and dynamos. |
| W. C. Clark | San Francisco | Four voltaic arc lamps. |
| W. C. Clark | San Francisco | Thirty incandescent lamps. |
| W. C. Clark | San Francisco | Volb meter ammeter. |
| Dr. A. T. Sherwood | San Francisco | Pacific electric pad truss. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Dr. A. T. Sherwood | San Francisco | Duplex galvanic belt. |
| A. C. Shaw | San Francisco | German tellurium (astronomical). |
| George Topping | Sacramento | Electric light dynamo. |
| W. C. Clark | San Francisco | Electric machine. |
| W. C. Clark | San Francisco | Electrolier incandescent chandelier. |

CLASS VIII—CHEMICALS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Whittier, Fuller & Co. | Sacramento | Best Prussian blue. |
| Whittier, Fuller & Co. | Sacramento | Best copal varnish. |
| Whittier, Fuller & Co. | Sacramento | Best glue. |
| Whittier, Fuller & Co. | Sacramento | Best linseed oil (five gallons). |
| Whittier, Fuller & Co. | Sacramento | Best white lead. |
| Capital Soap Company | Sacramento | Best display of soap. |
| Capital Soap Company | Sacramento | Best display of bleaching soap. |
| Capital Soap Company | Sacramento | Best display of toilet soap. |
| Capital Soap Company | Sacramento | Best display of castile soap. |
| A. S. Hopkins & Bro. | Sacramento | Best writing fluid. |
| A. S. Hopkins & Bro. | Sacramento | Best blacking. |
| A. S. Hopkins & Bro. | Sacramento | Best stove polish. |
| A. S. Hopkins & Bro. | Sacramento | Best axle grease. |
| The Guittard Mfg Co. | San Francisco | Chief baking powder. |
| The Guittard Mfg Co. | San Francisco | Best chocolate (California manufacture). |
| T. W. Jackson, agent | San Francisco | Best display of potash and caustic soda. |
| T. W. Jackson, agent | San Francisco | Best display of insecticide potash. |
| Selby Smelt'g and Lead Co. | San Francisco | Best display of bluestone and copperas. |
| Hueter Bros. & Co. | San Francisco | Best display of copal varnish. |
| Hueter Bros. & Co. | San Francisco | Best general display of varnish. |
| John Reynolds | San Francisco | Best exhibit of general display of prussiate of potash. |
| C. H. Street | San Francisco | Lubricating petroleum. |
| Alf. R. Kelly | San Francisco | Golden West oil. |
| Alf. R. Kelly | San Francisco | Neal's carriage paints. |
| John Reynolds | San Francisco | Oil of vitriol, muriatic and nitric acid. |
| Madame Lee | San Francisco | Toilet soap. |
| Alf. R. Kelly | San Francisco | Imperishable paint. |

CLASS IX—STONEWARE, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| George Muddox | Sacramento | Best stoneware. |
| George Muddox | Sacramento | Best water pipe of water lime. |
| George Muddox | Sacramento | Best sample of drain tile. |
| George Muddox | Sacramento | Best roofing tile. |
| George Muddox | Sacramento | Best flooring tile. |
| George Muddox | Sacramento | Best terra cotta. |
| George Muddox | Sacramento | Best fire bricks. |
| George Muddox | Sacramento | Best pressed bricks. |
| George Muddox | Sacramento | Best pottery, various kinds. |
| George Muddox | Sacramento | Best display of stoneware. |
| Gladding, McBean & Co. | Lincoln | Best specimen of Rockingham ware. |
| Gladding, McBean & Co. | Lincoln | Best specimen of stoneware. |
| Gladding, McBean & Co. | Lincoln | Best water pipe of water lime. |
| Gladding, McBean & Co. | Lincoln | Best sample of drain tile. |
| Gladding, McBean & Co. | Lincoln | Best roofing tile. |
| Gladding, McBean & Co. | Lincoln | Best flooring tile. |
| Gladding, McBean & Co. | Lincoln | Best terra cotta. |
| Gladding, McBean & Co. | Lincoln | Best fire bricks. |
| Gladding, McBean & Co. | Lincoln | Best pressed bricks. |
| Gladding, McBean & Co. | Lincoln | Best pottery, various kinds. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Gladding, McBean & Co. | Lincoln | Best stoneware. |
| A. Aitken | Sacramento | Best flooring tile. |
| H. Palmer | San Francisco | Best demijohn. |
| C. Newman | San Francisco | Best display of glassware. |
| C. Newman | San Francisco | Best demijohn, improved box. |
| Inyo Marble Company | San Francisco | Best dressed stone. |

CLASS X—MINERALS, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| W. H. Murray | San Francisco | Best suit of useful minerals. |
| W. H. Murray | San Francisco | Collection of minerals. |
| Alex. Keller | Auburn | Suit of useful minerals. |
| Alex. Keller | Auburn | Suit of fossils of California. |
| Alex. Keller | Auburn | Suit of illustrating geology. |
| Alex. Keller | Auburn | Suit of crystallized minerals. |
| Alex. Keller | Auburn | Suit of polished stone specimens. |
| H. F. Frye | Relief Hill, Nev. | Best cabinet of minerals. |
| Nevada County | California | Nevada County exhibit of minerals. |
| Inyo Marble Company | San Francisco | Variety of marble. |

CLASS XI—MARBLE AND GRANITE WORK.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| A. Aitken | Sacramento | Polished marble. |
| A. Aitken | Sacramento | Statuary marble mantel. |
| A. Aitken | Sacramento | Marbleized slate mantel. |
| A. Aitken | Sacramento | Marbleized iron mantel. |

GOLD MEDAL ENTRIES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| John Breuner | Sacramento | Meritorious exhibit of furniture. |
| Capital Soap Co. | Sacramento | Display of soap. |
| Geo. Muddox | Sacramento | Display of stoneware. |
| A. S. Hopkins & Bro. | Sacramento | Display of woodenware. |
| Geo. Topping | Sacramento | Display of electro dynamo machine, California manufacture. |
| Ingram & Bird | Sacramento | Display of furniture. |
| S. P. Taylor & Co. | San Francisco | Paper display. |
| Pacific Saw Mfg Co. | San Francisco | Display of saws on exhibition. |
| Waterhouse Elctrc. Mfg Co. | Hartford, Conn. | Display of incandescent light. |

# FIFTH DEPARTMENT.

## CLASS I—SILK, COTTON, AND TOBACCO.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| California Cotton Mills | San Francisco | One bale California cotton. |
| C. H. Street & Co. | San Francisco | Display of silk made in California. |
| C. H. Street & Co. | San Francisco | Display of California tobacco in leaf. |
| David Bryan | Grass Valley | Display of California tobacco in leaf. |

## CLASS II—FLOUR AND GRAIN.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| C. McCreary & Co. | Sacramento | Whitest sample family flour. |
| C. McCreary & Co. | Sacramento | Sample of baker's flour. |
| J. D. Huffman | Lodi | Display of grain in sheaf. |
| John Reith | Union House | Sample of Australian wheat. |
| B. N. Bugbey | Sutter County | Sample of Proper wheat. |
| B. N. Bugbey | Sutter County | Sample of barley. |
| B. N. Bugbey | Sutter County | Sample of Chevalier barley. |
| B. N. Bugbey | Sutter County | Bushel yellow corn. |
| B. N. Bugbey | Sutter County | Bushel white corn. |
| Chas. A. Hull | Sacramento | Sample of Chili wheat. |
| Mrs. R. S. Lockett | Perkins | Exhibit of garden seeds of California production. |
| J. W. Browning | Colusa County | Sample of Proper wheat. |
| Browning & Co. | Colusa County | Sample of family flour. |
| Browning & Co. | Colusa County | Sample of baker's flour. |

## CLASS III—VEGETABLES, ROOTS, ETC.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| Jos. Putman | Clements | Large pumpkin. |
| E. F. Aiken | Sacramento | Half peck peppers for pickling. |
| E. F. Aiken | Sacramento | Six marrow squashes. |
| E. F. Aiken | Sacramento | Six hubbard squashes. |
| E. F. Aiken | Sacramento | Six crookneck squashes. |
| E. F. Aiken | Sacramento | Peck of tomatoes. |
| E. F. Aiken | Sacramento | Large pumpkin. |
| E. F. Aiken | Sacramento | Three watermelons. |
| Harry Foster | Sacramento | Six crookneck squashes. |
| Harry Foster | Sacramento | Six cucumbers. |
| B. N. Bugbey | Sutter County | Half bushel sweet potatoes. |
| B. N. Bugbey | Sutter County | Half bushel Irish potatoes. |
| B. N. Bugbey | Sutter County | Peck of tomatoes. |
| B. N. Bugbey | Sutter County | Half peck yellow onions. |
| B. N. Bugbey | Sutter County | Half peck red onions. |
| B. N. Bugbey | Sutter County | Half peck white onions. |
| B. N. Bugbey | Sutter County | Large pumpkin. |
| B. N. Bugbey | Sutter County | Three mountain sweet watermelons. |
| B. N. Bugbey | Sutter County | Three striped watermelons. |
| B. N. Bugbey | Sutter County | Half peck lima beans in pod. |
| B. N. Bugbey | Sutter County | Six marrow squashes. |
| J. D. Huffman | Lodi | Six sugar beets. |
| Mrs. Geo. Muddox | Sacramento | Six turnip beets. |
| C. Langdon | Humboldt County | Half bushel white potatoes. |
| C. Langdon | Humboldt County | Half bushel red potatoes. |
| C. Langdon | Humboldt County | Half peck yellow onions. |
| W. H. Murray | San Francisco | Six sugar beets. |
| E. A. Bridgford | Colusa | Half bushel sweet potatoes. |

FIFTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. Geo. Muddox | Sacramento | Six cucumbers. |
| Mrs. Geo. Muddox | Sacramento | Half peck gherkin cucumbers. |
| Felice Gabrielli | Sacramento | Half bushel red potatoes. |
| Felice Gabrielli | Sacramento | Half bushel white potatoes. |
| Felice Gabrielli | Sacramento | Half bushel potatoes. |
| Felice Gabrielli | Sacramento | Variety Irish potatoes. |
| Felice Gabrielli | Sacramento | Half bushel sweet potatoes. |
| Felice Gabrielli | Sacramento | Twelve parsnips. |
| Felice Gabrielli | Sacramento | Twelve carrots. |
| Felice Gabrielli | Sacramento | Six long blood beets. |
| Felice Gabrielli | Sacramento | Six turnip beets. |
| Felice Gabrielli | Sacramento | Peck of tomatoes. |
| Felice Gabrielli | Sacramento | Six drumhead cabbage. |
| Felice Gabrielli | Sacramento | Six heads red Dutch cabbage. |
| Felice Gabrielli | Sacramento | Three heads cauliflower. |
| Felice Gabrielli | Sacramento | Three heads broccoli. |
| Felice Gabrielli | Sacramento | Three heads lettuce. |
| Felice Gabrielli | Sacramento | Half peck red onions. |
| Felice Gabrielli | Sacramento | Half peck yellow onions. |
| Felice Gabrielli | Sacramento | Half peck white onions. |
| Felice Gabrielli | Sacramento | Half peck peppers for pickling. |
| Felice Gabrielli | Sacramento | Twelve roots salsify. |
| Felice Gabrielli | Sacramento | Six stalks celery. |
| Felice Gabrielli | Sacramento | Six marrow squashes. |
| Felice Gabrielli | Sacramento | Six crookneck squashes. |
| Felice Gabrielli | Sacramento | Large pumpkin. |
| Felice Gabrielli | Sacramento | Dozen sweet corn (green). |
| Felice Gabrielli | Sacramento | Three mountain sweet watermelons. |
| Felice Gabrielli | Sacramento | Three watermelons. |
| Felice Cabrielli | Sacramento | Three cantaloupes. |
| Felice Gabrielli | Sacramento | Three muskmelons. |
| Felice Gabrielli | Sacramento | Six cucumbers. |
| Felice Gabrielli | Sacramento | Half peck lima beans, in pod. |
| Felice Gabrielli | Sacramento | Half peck white beans. |
| Felice Gabrielli | Sacramento | Half peck kidney bush beans. |
| Felice Gabrielli | Sacramento | Half peck field peas (dry). |
| Felice Gabrielli | Sacramento | Half peck garden peas (dry). |
| Felice Gabrielli | Sacramento | Half peck castor oil beans. |
| Felice Gabrielli | Sacramento | Greatest variety peas (dry). |
| Felice Gabrielli | Sacramento | Half peck gherkin cucumbers. |
| Felice Gabrielli | Sacramento | Three purple egg plants. |
| Felice Gabrielli | Sacramento | Table of vegetables, exhibited by the producer. |
| Mrs. R. S. Lockett | Perkins | Six crookneck squashes. |
| Mrs. R. S. Lockett | Perkins | Six cucumbers. |
| J. D. Huffman | Lodi | Table of vegetables, exhibited by one person. |

CLASS IV—FLOWERS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Bell Conservatory Co. | Sacramento | Collection of flowering plants in bloom. |
| Bell Conservatory Co. | Sacramento | Collection of ornamental foliage plants. |
| Bell Conservatory Co. | Sacramento | Display of cut flowers. |
| Bell Conservatory Co. | Sacramento | Collection of new and rare plants. |
| Bell Conservatory Co. | Sacramento | Display of coleus. |
| Bell Conservatory Co. | Sacramento | Exhibit of named varieties of dahlias. |
| Bell Conservatory Co. | Sacramento | Collection of roses in bloom. |
| Bell Conservatory Co. | Sacramento | Collection of fuchsias in bloom. |
| Bell Conservatory Co. | Sacramento | Collection of tuberoses in bloom. |
| Bell Conservatory Co. | Sacramento | Collection of pinks. |
| Bell Conservatory Co. | Sacramento | Collection of ferns. |
| Bell Conservatory Co. | Sacramento | Display of bouquets. |
| Bell Conservatory Co. | Sacramento | Collection of plants suitable for conservatory, greenhouse, and window culture. |

FIFTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Bell Conservatory Co. | Sacramento | Display of hanging baskets containing plants. |
| Mrs. L. B. Sutliff | Sacramento | Exhibit of named varieties of dahlias (twelve varieties). |
| Mrs. L. B. Sutliff | Sacramento | Display of cut flowers. |

CLASS V—DAIRY PRODUCTS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| John Burns | Nicolaus | Cheese one year old. |
| John Burns | Nicolaus | Cheese over one year old. |
| John Burns | Nicolaus | Display of cheese. |
| J. McM. Shafter | San Francisco | Cheese one year old. |
| J. McM. Shafter | San Francisco | Cheese over one year old. |
| J. McM. Shafter | San Francisco | Display of cheese. |

CLASS VI—BUTTER, BREAD, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| L. F. Eaton | Florin | Five pounds pure Jersey butter made in California. |
| J. McM. Shafter | San Francisco | Five pounds pure Jersey butter made in California. |
| J. McM. Shafter | San Francisco | Display of butter in rolls. |
| J. McM. Shafter | San Francisco | Tub of firkin butter. |

CLASS VI—BREAD AND CEREAL FOOD.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Lizzie B. Aiken | Sacramento | Soda biscuit. |
| Lizzie B. Aiken | Sacramento | Biscuit. |
| Lizzie B. Aiken | Sacramento | Domestic corn bread. |
| Lizzie B. Aiken | Sacramento | Domestic brown bread. |
| Lizzie B. Aiken | Sacramento | Cream waffles. |
| Mrs. G. E. Burwell | Sacramento | Domestic corn bread. |
| Mrs. G. E. Burwell | Sacramento | Domestic brown bread. |
| Mrs. G. E. Burwell | Sacramento | Graham bread. |
| Mrs. G. E. Burwell | Sacramento | Domestic wheat bread. |
| Mrs. G. E. Burwell | Sacramento | Display of domestic bread. |
| L. B. Aiken | Sacramento | Display of domestic bread. |
| American Biscuit Co. | San Francisco | Pilot. |
| American Biscuit Co. | San Francisco | Biscuit. |
| American Biscuit Co. | San Francisco | Soda biscuit. |
| American Biscuit Co. | San Francisco | Crackers (butter). |
| American Biscuit Co. | San Francisco | Crackers (sweet). |
| American Biscuit Co. | San Francisco | Boston crackers. |
| Miss S. Sullivan | Sacramento | Graham bread. |
| Miss S. Sullivan | Sacramento | Domestic wheat bread. |
| Miss S. Sullivan | Sacramento | Domestic corn bread. |
| Miss S. Sullivan | Sacramento | Soda biscuit. |
| Mrs. R. S. Frazee | Sacramento | Domestic wheat bread. |
| Mrs. D. de Hull | Union House | Biscuit. |
| Mrs. D de Hull | Union House | Soda biscuit. |
| Mrs. D. de Hull | Union House | Domestic corn bread. |
| Mrs. D. de Hull | Union House | Domestic brown bread. |
| Mrs. D. de Hull | Union House | Domestic wheat bread. |
| Mrs. D. de Hull | Union House | Display of domestic bread. |
| Agnes Hopper | Sacramento | Soda biscuit. |

FIFTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Agnes Hopper | Sacramento | Biscuit. |
| Agnes Hopper | Sacramento | Domestic brown bread. |
| Mrs. W. H. Wright | Sacramento | Soda biscuit. |
| Mrs. W. H. Wright | Sacramento | Domestic corn bread. |
| Mrs. W. H. Wright | Sacramento | Domestic rye bread. |
| Mrs. W. H. Wright | Sacramento | Domestic brown bread. |
| Mrs. W. H. Wright | Sacramento | Domestic graham bread. |
| Mrs. W. H. Wright | Sacramento | Domestic wheat bread. |
| Mrs. W. H. Wright | Sacramento | Display of domestic bread. |
| Mrs. S. Conrad | Sacramento | Domestic wheat bread. |
| Mrs. S. Conrad | Sacramento | Domestic rye bread. |
| Mrs. S. Conrad | Sacramento | Domestic corn bread. |
| Mrs. S. Conrad | Sacramento | Domestic brown bread. |
| Mrs. S. Conrad | Sacramento | Graham bread. |
| Mrs. S. Conrad | Sacramento | Display of domestic bread. |
| Miss Emma Muddox | Sacramento | Domestic corn bread. |
| Miss Emma Muddox | Sacramento | Domestic rye bread. |
| Miss Emma Muddox | Sacramento | Domestic brown bread. |
| Miss Emma Muddox | Sacramento | Domestic wheat bread. |
| Miss Emma Muddox | Sacramento | Graham bread. |
| Miss Emma Muddox | Sacramento | Display of domestic bread. |
| Miss Agnes Hopper | Sacramento | Domestic corn bread. |
| Miss Agnes Hopper | Sacramento | Graham bread. |
| Miss Ana Fist | Sacramento | Biscuit. |
| Miss Ana Fist | Sacramento | Soda biscuit. |
| Miss Ida M. Wolfe | Sacramento | Domestic corn bread. |
| Miss Ida M. Wolfe | Sacramento | Domestic rye bread. |
| Miss Ida M. Wolfe | Sacramento | Domestic brown bread. |
| Miss Ida M. Wolfe | Sacramento | Domestic bread. |
| Miss Ida M. Wolfe | Sacramento | Graham bread. |
| Miss Ida M. Wolfe | Sacramento | Biscuit. |
| W. F. Peterson | Sacramento | Four loaves baker's bread. |
| W. F. Peterson | Sacramento | Graham bread. |
| Mrs. P. M. Artz | Perkins | Biscuit. |
| Mrs. P. M. Artz | Perkins | Domestic corn bread. |
| Mrs. P. M. Artz | Perkins | Domestic brown bread. |
| Miss Ella Patton | Florin | Domestic wheat bread. |

CLASS VII—SUGAR, SYRUP, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| C. F. Barton | Sacramento | Display of confectionery. |
| C. F. Barton | Sacramento | General varieties of candies made in hall during exhibition. |
| W. H. Murray | San Francisco | Display of sugar-cane. |
| Mrs. R. S. Lockett | Sacramento | Display of sugar-cane. |
| W. H. Murray | San Francisco | One hundred pounds of sugar made from sugar beets. |

ENTRIES FOR GOLD MEDALS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| C. McCreary | Sacramento | Flour and mill feed. |
| Bell Conservatory Co. | Sacramento | Flowers and flowering plants. |
| American Biscuit Co. | San Francisco | Display of crackers, etc. |

# SIXTH DEPARTMENT.

## CLASS I—APPLES.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| J. Putman | Clements | Display and variety of apples. |
| Clark & Williamson | Penryn | Display and variety of apples. |
| H. A. Frost | Dutch Flat | Display and variety of apples. |
| B. N. Bugbey | Sutter County | Display and variety of apples. |
| W. D. Carpenter | El Dorado County | Display and variety of apples. |
| C. Weisenberger | Nevada City | Display and variety of apples. |
| W. Wilkenson | Lowell Hill | Display and variety of apples. |
| S. N. Stranahan | Nevada City | Display and variety of apples. |
| A. C. Guillispie | Nevada City | Display and variety of apples. |
| J. Levee | Lowell Hill | Display and variety of apples. |
| Dr. A. Chapman | Nevada City | Display and variety of apples. |
| J. B. Dupray | Nevada City | Display and variety of apples. |
| Mrs. R. S. Lockett | Perkins | Display and variety of apples. |

## CLASS I—PEARS.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| Jos. Putman | Clements | Display and variety. |
| J. B. Welty | Sacramento | Display and variety. |
| Clark & Williamson | Penryn | Display and variety. |
| H. A. Frost | Dutch Flat | Display and variety. |
| B. N. Bugbey | Sutter County | Display and variety. |
| G. H. Kerr | Elk Grove | Display and variety. |
| J. P. Odbert | Sacramento | Display and variety. |
| E. F. Aiken | Sacramento | Display and variety. |
| W. D. Carpenter | El Dorado County | Display and variety. |
| C. Weisenberger | Nevada City | Display and variety. |
| A. C. Guillispie | Nevada City | Display and variety. |
| J. Levee | Lowell Hill | Display and variety. |
| Dr. A. Chapman | Nevada City | Display and variety. |
| J. B. Dupray | Nevada City | Display and variety. |
| Mrs. R. S. Lockett | Perkins | Display and variety. |

## CLASS I—PEACHES.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| John Reith, Jr. | Penryn | Display and variety. |
| J. A. Robinson | Newcastle | Display and variety. |
| P. W. Butler | Penryn | Display and variety. |
| Jos. Putman | Clements | Display and variety. |
| Mrs. L. B. Sutliff | Sacramento | Display and variety. |
| C. T. Adams | Newcastle | Display and variety. |
| J. B. Welty | Sacramento | Display and variety. |
| Harry Foster | Sacramento | Display and variety. |
| E. F. Aiken | Sacramento | Display and variety. |
| Clark & Williamson | Penryn | Display and variety. |
| B. N. Bugbey | Sutter County | Display and variety. |
| Mrs. M. E. Fox | Newcastle | Display and variety. |
| W. D. Carpenter | El Dorado County | Display and variety. |
| J. B. Dupray | Nevada City | Display and variety. |
| Mrs. R. S. Lockett | Perkins | Display and variety. |
| I. H. Thomas | Visalia | Display and variety. |

SIXTH DEPARTMENT—Continued.

CLASS I—PLUMS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| E. F. Aiken | Sacramento | Display and variety. |
| Clark & Williamson | Penryn | Display and variety. |
| Mrs. J. Shields | Routiers | Display and variety. |
| Mrs. M. E. Fox | Newcastle | Display and variety. |
| W. D. Carpenter | El Dorado County | Display and variety. |
| Mrs. R. S. Lockett | Penryn | Display and variety. |

CLASS I—FIGS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Jos. Putman | Clements | Display and variety. |
| Clark & Williamson | Penryn | Display and variety. |
| Harry Foster | Sacramento | Display and variety. |
| Mrs. M. E. Fox | Newcastle | Display and variety. |
| H. E. Parker | Penryn | Display and variety. |
| Mrs. R. S. Lockett | Perkins | Display and variety. |

CLASS I—TROPICAL FRUITS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Clark & Williamson | Penryn | Display and variety. |
| Mrs. M. E. Fox | Newcastle | Display and variety. |

CLASS I—ORANGES AND LEMONS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Isaac Lea | Florin | Display and variety of oranges. |
| Clark & Williamson | Penryn | Display and variety of oranges. |
| Mrs. M. E. Fox | Newcastle | Display and variety of oranges. |

CLASS I—GENERAL DISPLAY.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Joseph Putman | Clements | General display of fruit by producer. |
| Clark & Williamson | Penryn | General display of fruit by producer. |
| Mrs. M. E. Fox | Newcastle | General display of fruit by producer. |
| W. D. Carpenter | El Dorado County | General display of fruit by producer. |
| S. N. Stranahan | Nevada City | General display of fruit by producer. |
| Mrs. R. S. Lockett | Perkins | General display of fruit by producer. |

SIXTH DEPARTMENT—Continued.

CLASS II—HONEY, PRESERVES, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. Geo. C. McMullen | Sacramento | Six jars raspberry jelly. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars red currant jelly. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars blackberry jelly. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars strawberry jelly. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars quince jelly. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars blackberry jam. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars raspberry jam. |
| Mrs. Geo. C. McMullen | Sacramento | Best display of jams and jellies in glass. |
| Mrs. Geo. C. McMullen | Sacramento | Strawberry jam. |
| Mrs. H. E. Parker | Penryn | Six jars strawberry jelly. |
| Mrs. H. E. Parker | Penryn | Six jars quince jelly. |
| Mrs. H. E. Parker | Penryn | Six jars red currant jelly. |
| Mrs. H. E. Parker | Penryn | Six jars raspberry jelly. |
| Mrs. H. E. Parker | Penryn | Six jars blackberry jelly. |
| Mrs. H. E. Parker | Penryn | Six jars raspberry jam. |
| Mrs. H. E. Parker | Penryn | Display of jams and jellies in glass. |
| May Kewen | Sacramento | Six jars red currant jelly. |
| May Kewen | Sacramento | Six jars blackberry jelly. |
| May Kewen | Sacramento | Six jars blackberry jam. |
| May Kewen | Sacramento | Display of brandied peaches. |
| Mrs. Geo. Muddox | Sacramento | Ten pounds California honey. |
| Mrs. Geo. Muddox | Sacramento | Display of pickles. |
| J. P. Odbert | Sacramento | Display of fruit in glass. |
| J. P. Odbert | Sacramento | Display of pickles. |
| Mrs. Geo. Muddox | Sacramento | Display of fruit in glass. |
| Mrs. Geo. Muddox | Sacramento | Six jars raspberry jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars red currant jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars blackberry jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars black currant jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars strawberry jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars quince jelly. |
| Mrs. Geo. Muddox | Sacramento | Six jars blackberry jam. |
| Mrs. Geo. Muddox | Sacramento | Six jars raspberry jam. |
| Mrs. Geo. Muddox | Sacramento | Display of jams and jellies in glass. |
| J. B. Dupray | Nevada County | Ten pounds California honey. |
| Lebenbaum Bros. | San Francisco | Display of jams and jellies in glass. |
| Lebenbaum Bros. | San Francisco | Display of canned and preserved jams, jellies, etc., by factory. |
| Mrs. Addie Carter | Sacramento | Display of fruit in glass by other than factory. |
| Mrs. Addie Carter | Sacramento | Six jars raspberry jelly. |
| Mrs. Addie Carter | Sacramento | Six jars red currant jelly. |
| Mrs. Addie Carter | Sacramento | Six jars black currant jelly. |
| Mrs. Addie Carter | Sacramento | Six jars blackberry jelly. |
| Mrs. Addie Carter | Sacramento | Six jars strawberry jelly. |
| Mrs. Addie Carter | Sacramento | Six jars quince jelly. |
| Mrs. Addie Carter | Sacramento | Six jars blackberry jam. |
| Mrs. Addie Carter | Sacramento | Six jars raspberry jam. |
| Mrs. Addie Carter | Sacramento | Display of jams and jellies in glass. |
| Mrs. Addie Carter | Sacramento | Display of brandied peaches. |
| Mrs. C. Weber | Nevada County | Display of fruit in glass. |
| Mrs. C. Weber | Nevada County | Display of jams and jellies. |
| Mrs. C. Weber | Nevada County | Six jars currant jelly. |
| Mrs. C. Weber | Nevada County | Six jars blackberry jelly. |
| Mrs. W. J. Hill | Nevada County | Display of fruit in glass. |
| Mrs. F. G. Beaty | Nevada County | Display of fruit in glass. |
| Mrs. F. G. Beaty | Nevada County | Display of jams and jellies. |
| Mrs. F. G Beaty | Nevada County | Six jars raspberry jelly. |
| Mrs. F. G. Beaty | Nevada County | Six jars currant jelly. |
| Mrs. F. G. Beaty | Nevada County | Six jars blackberry jelly. |

SIXTH DEPARTMENT—Continued.

CLASS III—DRIED AND PRESERVED FRUITS, NUTS, ETC.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| D. H. Clippinger | Perkins | Ten pounds dried peaches by producer. |
| D. H. Clippinger | Perkins | Ten pounds dried figs by producer. |
| D. H. Clippinger | Perkins | General display of dried fruits by factory. |
| E. Booth | Roseville | Ten pounds dried peaches. |
| E. Booth | Roseville | Ten pounds dried nectarines. |
| E. Booth | Roseville | Ten pounds dried plums. |
| E. Booth | Roseville | Ten pounds dried prunes. |
| E. Booth | Roseville | Ten pounds dried apples. |
| E. Booth | Roseville | Ten pounds dried pears. |
| E. Booth | Roseville | Ten pounds dried figs. |
| William Foster | Lincoln | Ten pounds dried prunes. |
| B. N. Bugbey | Sutter County | Ten pounds dried prunes. |
| Mrs. J. Shields | Routiers | Ten pounds dried peaches. |
| Mrs. J. Shields | Routiers | Ten pounds dried plums. |
| Mrs. J. Shields | Routiers | Ten pounds dried prunes. |
| Mrs. J. Shields | Routiers | Ten pounds dried apricots. |
| D. H. Clippinger | Perkins | Ten pounds dried nectarines. |
| D. H. Clippinger | Perkins | Ten pounds dried pears. |
| D. H. Clippinger | Perkins | Ten pounds dried apples. |
| D. H. Clippinger | Perkins | Ten pounds dried prunes. |
| Mrs. M. E. Fox | Newcastle | Ten pounds dried peaches. |
| Mrs. M. E. Fox | Newcastle | Ten pounds dried plums. |
| Mrs. M. E. Fox | Newcastle | Ten pounds dried prunes. |
| Mrs. M. E. Fox | Newcastle | Ten pounds dried figs. |
| Mrs. M. E. Fox | Newcastle | General display dried fruits by producer. |
| P. W. Butler | Penryn | Ten pounds dried peaches. |
| H. E. Parker | Penryn | Ten pounds dried figs. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried apples. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried pears. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried peaches. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried plums. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried prunes. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried apricots. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried nectarines. |
| W. D. Carpenter | Diamond Springs | Ten pounds dried figs. |
| W. D. Carpenter | Diamond Springs | Display of dried fruits by producer. |
| S. N. Stranahan | Nevada City | Ten pounds dried apples. |
| S. N. Stranahan | Nevada City | Ten pounds dried pears. |
| S. N. Stranahan | Nevada City | Ten pounds dried peaches. |
| S. N. Stranahan | Nevada City | Ten pounds dried plums. |
| S. N. Stranahan | Nevada City | Ten pounds dried prunes. |
| S. N. Stranahan | Nevada City | Ten pounds dried nectarines. |
| S. N. Stranahan | Nevada City | Ten pounds dried cherries. |
| S. N. Stranahan | Nevada City | Ten pounds dried raspberries. |
| S. N. Stranahan | Nevada City | Ten pounds dried strawberries. |
| S. N. Stranahan | Nevada City | General display of dried fruits by producer. |
| Mrs. R. S. Lockett | Perkins | General display of fruits by producer. |

CLASS III—CULTIVATED NUTS RAISED BY EXHIBITOR.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| E. F. Aiken | Sacramento | Display of peanuts. |
| W. H. Williamson | Routiers | Display of soft shell almonds. |
| Clark & Williamson | Penryn | Display of soft shell almonds. |
| B. N. Bugbey | Sutter County | Display of peanuts. |
| D. H. Clippinger | Perkins | Display of almonds. |
| Mrs. R. S. Lockett | Perkins | Display of almonds. |

SIXTH DEPARTMENT—Continued.

CLASS III—MISCELLANEOUS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Bean Spray Pump Co. | Los Gatos | Wash for destroying scale insects on fruit trees, with directions for use. |
| Bean Spray Pump Co. | Los Gatos | Wash for destroying codlin moth and its larva on fruit trees, with full directions for use. |

CLASS IV—GRAPES AND RAISINS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Joseph Putman | Clements | Variety of table grapes. |
| C. T. Adams | Newcastle | Six varieties table grapes. |
| C. T. Adams | Newcastle | Three varieties table grapes. |
| C. T. Adams | Newcastle | One variety table grapes. |
| C. T. Adams | Newcastle | General display of grapes by producer. |
| E. Booth | Roseville | Display of raisins. |
| J. B. Welty | Sacramento | One variety wine grapes. |
| Wm. Foster | Lincoln | Display of California raisins. |
| J. B. Whitcomb | Colfax | Six varieties table grapes. |
| J. B. Whitcomb | Colfax | Three varieties table grapes. |
| J. B. Whitcomb | Colfax | One variety table grapes. |
| J. B. Whitcomb | Colfax | Six varieties wine grapes. |
| J. B. Whitcomb | Colfax | Three varieties wine grapes. |
| J. B. Whitcomb | Colfax | One variety wine grapes. |
| J. B. Whitcomb | Colfax | General display of grapes by producer. |
| Geo. H. Kerr | Elk Grove | Six varieties table grapes. |
| Geo. H. Kerr | Elk Grove | Three varieties table grapes. |
| Geo. H. Kerr | Elk Grove | One variety table grapes. |
| Geo. H. Kerr | Elk Grove | One variety wine grapes. |
| Geo. H. Kerr | Elk Grove | General display of grapes by producer. |
| E. L. Hawk | Rocklin | Six varieties table grapes. |
| E. L. Hawk | Rocklin | Three varieties table grapes. |
| E. L. Hawk | Rocklin | One variety table grapes. |
| E. L. Hawk | Rocklin | Three varieties wine grapes. |
| E. L. Hawk | Rocklin | One variety wine grapes. |
| John Rieth, Jr. | Penryn | Three varieties table grapes. |
| John Rieth, Jr. | Penryn | One variety table grapes. |
| Mrs. M. E. Fox | Newcastle | Display of seedless raisins. |
| J. N. Nile | Grass Valley | Six varieties table grapes. |
| J. N. Nile | Grass Valley | Three varieties table grapes. |
| J. N. Nile | Grass Valley | One variety table grapes. |
| J. N. Nile | Grass Valley | Six varieties wine grapes. |
| J. N. Nile | Grass Valley | Three varieties wine grapes. |
| J. N. Nile | Grass Valley | One variety wine grapes. |
| J. N. Nile | Grass Valley | General display of grapes by producer. |
| Thos. W. Payne | Grass Valley | Six varieties table grapes. |
| Thos. W. Payne | Grass Valley | Three varieties table grapes. |
| Thos. W. Payne | Grass Valley | One variety table grapes. |
| Thos. W. Payne | Grass Valley | Six varieties wine grapes. |
| Thos. W. Payne | Grass Valley | Three varieties wine grapes. |
| Thos. W. Payne | Grass Valley | One variety wine grapes. |
| Thos. W. Payne | Grass Valley | General display of grapes by producer. |
| Mrs. R. S. Lockett | Perkins | Display of California raisins. |
| Mrs. R. S. Lockett | Perkins | Six varieties table grapes. |
| Mrs. R. S. Lockett | Perkins | Three varieties table grapes. |
| Mrs. R. S. Lockett | Perkins | One variety table grapes. |
| Mrs. R. S. Lockett | Perkins | Three varieties wine grapes. |
| Mrs. R. S. Lockett | Perkins | Six varieties wine grapes. |
| Mrs. R. S. Lockett | Perkins | One variety wine grapes. |
| Mrs. R. S. Lockett | Perkins | General display of grapes by producer. |
| W. D. Carpenter | Diamond Springs | Six varieties table grapes. |
| W. D. Carpenter | Diamond Springs | Three varieties table grapes. |
| W. D. Carpenter | Diamond Springs | One variety table grapes. |
| W. D. Carpenter | Diamond Springs | Three varieties wine grapes. |
| W. D. Carpenter | Diamond Springs | One variety wine grapes. |

SIXTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| W. D. Carpenter | Diamond Springs | General display of grapes by producer. |
| W. D. Carpenter | Diamond Springs | Six varieties wine grapes. |
| Geo. H. Kerr | Elk Grove | Three varieties wine grapes. |

CLASS V—BRANDIES AND WINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| H. W. Crabb | Napa County | General display of California brandies and wines. |
| H. W. Crabb | Napa County | Grape brandy over one year old. |
| H. W. Crabb | Napa County | Grape brandy one year old. |
| John Kaiser | Loomis | General display of California brandies and wines. |
| John Kaiser | Loomis | Grape brandy over one year old. |
| John Kaiser | Loomis | Grape brandy one year old. |
| M. S. Nevis | Sacramento | General display of California brandies and wines. |
| M. S Nevis | Sacramento | Grape brandy one year old. |
| M. S. Nevis | Sacramento | Grape brandy over one year old. |
| H. G. Leeman | Grass Valley | General display of California brandies and wines. |
| H. G. Leeman | Grass Valley | Grape brandy over one year old. |
| J. Gundlach & Co. | San Francisco | General display of California brandies and wines. |
| J. Gundlach & Co. | San Francisco | California brandies and wines. |
| J. Gundlach & Co. | San Francisco | Grape brandy over one year old. |

CLASS V—SWEET WINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| H. W. Crabb | Napa County | Sweet wine |
| H. W. Crabb | Napa County | Muscatel (vintage of 1884). |
| H. W. Crabb | Napa County | Malaga (vintage of 1886). |
| H. W. Crabb | Napa County | Madeira (vintage of 1886). |
| H. W. Crabb | Napa County | Port (vintage of 1876 and 1886). |
| H. W. Crabb | Napa County | Blackberry (vintage of 1883). |
| H. W. Crabb | Napa County | Tokay (vintage of 1884). |
| H. W. Crabb | Napa County | Sherry (vintage of 1886). |
| John Kaiser | Loomis | Sweet wine. |
| Mrs. George Muddox | Sacramento | Sweet wine. |
| M. S. Nevis | Sacramento | Sweet wine—angelica, sherry, port. |
| H. G. Leeman | Grass Valley | Sweet wine. |
| F. C. Helwig | Nevada | Sweet wine. |
| M. M. Estee | Napa | Sweet wine. |
| J. Gundlach | San Francisco | Sweet wine. |

CLASS V—DRY WINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| H. W. Crabb | Napa County | White wine (vintage of 1886)—sauterne, riesling, gautadel, semillion, musque, chablis. |
| H. W. Crabb | Napa County | Claret wine over one year old—chambertine (vintage of 1886), biclin (vintage of 1886), cabernet, sauvignon (vintage of 1886), burgundy (vintage of 1884). |
| H. W. Crabb | Napa County | Claret wine one year old (vintage of 1887)—petit surah, black pinot, zinfandel. |

SIXTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| John Kaiser | Loomis | White wine (vintage of 1885–86). |
| John Kaiser | Loomis | Claret wine over one year old. |
| John Kaiser | Loomis | Claret wine one year old. |
| M. S. Nevis | Sacramento | White wine—riesling. |
| M. S. Nevis | Sacramento | Claret wine over one year old—zinfandel (vintage of 1883 and 1887). |
| Thomas N. Payne | Grass Valley | White wine. |
| Thomas N. Payne | Grass Valley | Claret wine. |
| F. C. Helwig | Nevada | White wine. |
| F. C. Helwig | Nevada | Claret wine. |
| M. M. Estee | Napa | White wine. |
| M. M. Estee | Napa | Claret wine over one year old. |
| M. S. Nevis | Sacramento | Claret wine one year old. |
| M. M. Estee | Napa | Claret wine one year old. |
| J. Gundlach & Co. | San Francisco | White wine. |
| J. Gundlach & Co. | San Francisco | Claret wine over one year old. |
| J. Gundlach & Co. | San Francisco | Claret wine one year old. |

CLASS V—SPECIAL WINES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| H. W. Crabb | Napa County | California port. |
| H. W. Crabb | Napa County | California sherry. |
| John Kaiser | Loomis | California port. |
| John Kaiser | Loomis | California sherry. |
| H. Palmer & Co. | San Francisco | California port. |
| M. S. Nevis | Sacramento | California port. |
| M. S. Nevis | Sacramento | California sherry. |
| A. Combe | Grass Valley | California port. |
| H. G. Leeman | Grass Valley | California port. |
| H. G. Leeman | Grass Valley | California sherry. |
| J. J. Rolfe | Nevada | California sherry. |
| A. Combe | Grass Valley | California sherry. |
| F. C. Helwig | Nevada | California port. |
| M. M. Estee | Napa | California port. |
| J. R. Nickerson | Grass Valley | California sherry (made from currants). |
| J. Gundlach & Co. | San Francisco | California sherry. |

ENTRIES FOR GOLD MEDAL.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| D. H. Clippinger | Perkins | Dried fruit. |
| Mrs. R. S. Lockett | Perkins | Green fruits, dried fruits, and nuts. |
| J. Gundlach & Co. | San Francisco | Display of wines and brandies. |

# SEVENTH DEPARTMENT.

## CLASS I—OIL PAINTINGS, WATER COLORS, CRAYONS, ETC.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| Edward Deakin | San Francisco | Thirty-three oil paintings. |
| John A. Stanton | San Francisco | Eight oil paintings. |
| A. Michelson | San Francisco | One pastel and two crayon portraits. |
| Amanda Austin | Sacramento | Two oil paintings and one crayon. |
| Mrs. W. Irelan | San Francisco | Two oil paintings and seven crayons. |
| H. Raschen | San Francisco | Four oil paintings. |
| Alice H. Vincent | Oakland | Three oil paintings. |
| Mary Curtis Richardson | San Francisco | Two oil paintings. |
| C. T. Wilson | San Francisco | Two oil paintings. |
| Norton Bush | San Francisco | Nine oil paintings. |
| C. Von Perbandt | San Francisco | Two oil paintings. |
| F. L. Heath | Santa Cruz | Eight oil paintings. |
| J. Rastell | Oakland | Four oil paintings. |
| Oscar Kunath | San Francisco | Two oil paintings. |
| A. Joullin | San Francisco | Five oil paintings. |
| Emil Carlson | San Francisco | Two oil paintings. |
| H. W. Arthur Nahl | San Francisco | One oil painting and five crayons. |
| Mrs. E. Dedman | Placerville | Nine oil paintings. |
| William Keith | San Francisco | Fourteen oil paintings. |
| W. F. Jackson | Sacramento | One oil painting. |
| A. C. Rodriguez | San Francisco | Twelve oil paintings. |
| Fred. Yates | San Francisco | Seven oil paintings. |
| J. Bronchaud | San Francisco | Two oil paintings. |
| S. M. Brookes | San Francisco | Ten oil paintings. |
| E. Narjot | San Francisco | Seven oil paintings. |
| R. D. Yelland | San Francisco | Four oil paintings. |
| L. Roethe | San Francisco | Two oil paintings and five pastels. |
| Eva Withrow | San Francisco | Five oil paintings, ten pastels, and charcoals. |
| Mrs. A. E. Rogers | San Francisco | One oil painting. |
| Charles Prosch | San Francisco | Seven oil paintings. |
| Chris. Jorgensen | San Francisco | Seven water colors. |
| G. Boedewig | San Francisco | Three crayons and one pastel. |
| Charles Prosch | San Francisco | One water color. |
| Mrs. S. Farnam | San Francisco | One water color. |
| Oscar Deakin | San Francisco | Six water colors. |
| Adaline Morse | San Francisco | Five water colors. |
| W. J. Mier | Sacramento | Four crayon portraits. |
| H. Raschen | San Francisco | Five charcoal drawings. |
| Kate P. Herrick | Sacramento | Eleven oil paintings. |
| Mrs. M. H. Payne | San Francisco | Five oil paintings. |
| W. J. Straight | Grass Valley | One oil painting. |
| Mrs. M. C. Boyd | San Francisco | Seven oil paintings. |
| R. Helms | Sacramento | Exhibition of portraits in oil, water colors, and pastels. |
| Sacramento Art School | Sacramento | Exhibition of oil paintings and crayons. |

## CLASS I—AMATEURS' GALLERY—OIL PAINTINGS, WATER COLORS, ETC.

| Exhibitor. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. M. E. Tryon | Sacramento | Fourteen oil paintings. |
| Mrs. W. G. Richardson | San Francisco | Five oil paintings. |
| Paul Memogoena | San Francisco | Two oil paintings, one crayon. |
| Miss Belle Hey | San Francisco | Two oil paintings. |
| Miss Addie L. Hughes | Sacramento | One oil painting. |
| Miss Mary Crouch | Sacramento | One crayon drawing. |
| Miss Louise Harris | Oakland | One oil painting. |
| Mrs. S. S. Boynton | Oroville | Seven oil paintings. |
| Miss S. Jennie Hopper | Sacramento | Seven oil paintings, one water color. |
| Miss Maggie O'Toole | Freeport | Five crayon drawings, one water color. |

SEVENTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Miss Josephine Hayes | Sacramento | Three oil paintings. |
| Miss Annie C. Pearl | Sacramento | Three oil paintings. |
| Miss Mary Slayback | Sacramento | Three crayon drawings. |
| Clarkson Dye | San Francisco | Two oil and two water color paintings. |
| J. R. Lafontaine | San Francisco | Two oil paintings, one crayon drawing. |
| W. B. Sawyer | Sacramento | Four oil paintings. |
| Mrs. M. E. Phipps | Yuba City | Two oil paintings, one crayon, one india ink. |
| Miss Mary Fry | Walsh Station | Three oil paintings. |
| Miss Mary Horstmeyer | Sacramento | Three oil paintings. |
| Miss Louisa J. Conrad | Sacramento | Four crayons, two pen and ink drawings. |
| Mrs. H. C. Briggs | Oakland | One painted screen. |
| Mrs. Frank Powell | Folsom | Two oil paintings. |

CLASS II—PHOTOGRAPHS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| A. O. Gregory | Sacramento | Display of photographs. |
| S. Boysen | Sacramento | Display of photographs. |
| George B. Stewart | Sacramento | Display of landscape photographs. |
| I. Taber | San Francisco | Display of photographs. |

CLASS III—ETCHINGS, INDIA INK, PEN AND PENCIL DRAWINGS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Carl Eisenchimel | San Francisco | Three specimens penmanship. |
| Chris. Jorgensen | San Francisco | Six specimens pen and ink drawing. |
| John A. Stanton | San Francisco | Twelve specimens pencil and ink drawing. |
| Oscar Deakin | San Francisco | Two specimens pen drawing. |

CLASS IV—STATUARY, FRESCO, MOSAIC, AND CARVED WORK.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| F. Happersberger | San Francisco | Seven specimens statuary. |
| Frederick Flohr | San Francisco | Fourteen specimens statuary. |
| W. A. Newell | San Francisco | Three specimens statuary. |
| Charles Holland | Sacramento | Four specimens statuary in soap. |

CLASS V—PENMANSHIP.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Sacramento Business Coll. | Sacramento | Display of penmanship. |
| Bainbridge Business Coll. | Sacramento | Display of penmanship. |
| Barnard's Business College | San Francisco | Display of penmanship. |

CLASS VI—JUVENILES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Fred. Blanchard | Sacramento | Seven crayon drawings. |
| Fillmore White | Sacramento | Two pen drawings. |

SEVENTH DEPARTMENT—Continued.

CLASS VII—CALIFORNIA DRAWINGS AND DESIGNS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Jacob Lentzen & Son | San José | Original mechanical drawing. |
| Sac'to Grammar School | Sacramento | Display of drawing: pen, pencil, and water colors. |
| Frederick Flohr | San Francisco | One design for Winn monument. |

## EIGHTH DEPARTMENT.

COUNTY EXHIBITS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Sam. Hutchins | Colusa | Colusa County exhibit. |
| B. M. Berry | Newcastle | Placer County exhibit. |
| J. D. Huffman | Lodi | San Joaquin County exhibit. |
| J. R. Nickerson | Nevada City | Nevada County exhibit. |
| H. J. Ostrander | Merced | Merced County exhibit. |
| Ray White | Fresno | Fresno County exhibit. |
| C. Langdon | Rohnerville | Humboldt County exhibit. |

## NINTH DEPARTMENT.

MISCELLANEOUS.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| A. T. Ames | Galt | Patent riding attachm't for single plows. |
| S. L. Monday | Black's Station | Wagon jack. |
| John Miller | Sacramento | Glass white hearse. |
| Stanton, Thomson & Co. | Sacramento | Sickle grinder. |
| Stanton, Thomson & Co. | Sacramento | Wheel scraper. |
| Stanton, Thomson & Co. | Sacramento | Road grader. |
| Stanton, Thomson & Co. | Sacramento | Sack holder. |
| Stanton, Thomson & Co. | Sacramento | Wagon jack. |
| Fred. Rohrer | Santa Rosa | Diamond fruit pitter. |
| S. C. H. Agricultural W'ks | Stockton | Improved shoe for combined harvester or thrashing machine. |
| J. H. H. Pound | San Francisco | The Australian patent fence, wire stretcher, and permanent fastener. |
| Pacific Saw Mfg Co. | San Francisco | Duncan's timber jacks. |
| W. H. Murray | San Francisco | Model locomotive, California man'fact're. |
| D. C. Crunney | Los Gatos | Spray pump. |
| D. C. Crunney | Los Gatos | Spray nozzle. |
| Baker & Hamilton | Sacramento | Traction engine. |
| Benicia Agricultural W'ks. | Benicia | Store or warehouse trucks. |
| Benicia Agricultural W'ks. | Benicia | Garden barrows. |
| Benicia Agricultural W'ks. | Benicia | Farm cart. |
| Benicia Agricultural W'ks | Benicia | Header. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Benicia Agricultural W'ks. | Benicia | Saw frame. |
| Studebaker Bros. | Sacramento | Display of buggy tops. |
| A. Doble | San Francisco | Refined cast steel, manufactured by Tirth & Son. |
| A. Doble | San Francisco | Black Diamond silver tool steel. |
| A. Doble | San Francisco | Wright's picks and pick eyes. |
| N. W. Spaulding | San Francisco | Chisel bit. |
| Pacific Saw Mfg Co. | San Francisco | The Boss wood saw. |
| Pacific Saw Mfg Co. | San Francisco | Pruning saw, adjustable blade. |
| Pacific Saw Mfg Co. | San Francisco | C. B. Paul's files. |
| W. H. Murray | San Francisco | Model of the Hercules dredger, built by the Golden State and Miners' Iron Works. |
| W. H. Murray | San Francisco | Barb wire fencing (Bush's patent). |
| Pacific Saw Mfg Co. | San Francisco | Movable blade. |
| W. McAlister | San Francisco | Model breakwater for levee dams. |
| G. G. Wickson & Co. | San Francisco | Creamery engine. |
| G. G. Wickson & Co. | San Francisco | Set of farm tools. |
| G. G. Wickson & Co. | San Francisco | Tread horse-power. |
| Judson Mfg Co. | San Francisco | Display of tacks. |
| L. M. Potter | Sacramento | Potter's wire gate for barb wire fence. |
| Joseph Budde | San Francisco | Patent water-closets, stop waste, and surface hoppers. |
| Pacific Mfg Co. | San Francisco | Lap-welded wrought-iron pipe, with patent lead-lined couplings. |
| Sims & Morris | San Francisco | Wheelbarrows. |
| John Herrell | Plymouth | Dried fruit renovator. |
| Elijah Hickman | Red Bluff | Hickman's improved roller bolster for general use. |
| Mrs. M. H. Ober | San Francisco | Display of underwear. |
| Geo. J. Mathersole | Chili Bar | Exhibit of roofing slate. |
| Geo. J. Mathersole | Chili Bar | Exhibit of slate roofing. |
| E. W. Melvin | Sacramento | Display of installment goods. |
| Washington Mfg Co. | San Francisco | Victor extracts. |
| Washington Mfg Co. | San Francisco | Seagull tea. |
| Washington Mfg Co. | San Francisco | Beehive yeast powders. |
| A. A. Van Voorhies & Co. | Sacramento | Display of card horse. |
| T. H. Harlan | Colusa | Crochet work of Mohair fabric. |
| S. P. Taylor | San Francisco | Various sizes of Eagle paper bags. |
| Stoddart Bros. | San Francisco | Damascus creme and poudre. |
| Stoddart Bros. | San Francisco | Liebig's German Invigorator. |
| Miss Carrie Murray | San Francisco | Dress stays. |
| Miss Carrie Murray | San Francisco | Dress extenders. |
| A. J. Pommer | Sacramento | Embroidery, Domestic sewing machine. |
| A. J. Pommer | Sacramento | Family sewing, Domestic sewing machine. |
| A. J. Pommer | Sacramento | Fine white sewing on Domestic sewing machine. |
| H. A. Hebard | San Francisco | The Love button hole and family sewing machine. |
| A. S. Hopkins & Bro. | Sacramento | Indurated fiber ware. |
| Leduc Improvement Co. | San Francisco | Tule life preservers. |
| Alf. R. Kelly | San Francisco | Kelly's wood stains, all colors. |
| Palmer Clark | Sacramento | Vigor of Life. |
| E. C. Mead & Co. | San Francisco | Samples silver cream polish. |
| E. C. Mead & Co. | San Francisco | White's pie turner. |
| A. S. Graff | San Francisco | Coal oil lamps. |
| T. B. Johnson | San Francisco | Special card writing. |
| John F. Cooper | Sacramento | One grand piano (Mathushek make). |
| John F. Cooper | Sacramento | Three styles "J," upright pianos (Mathushek make). |
| John F. Cooper | Sacramento | One style "H," upright piano (Mathushek make). |
| John F. Cooper | Sacramento | One square orchestral piano (Mathushek make). |
| John F. Cooper | Sacramento | One Wheelock cabinet grand piano (Mathushek make). |
| John F. Cooper | Sacramento | Five organs (Chicago cottage make). |
| John F. Cooper | Sacramento | Two large size orchestrones. |
| John F. Cooper | Sacramento | Twelve banjos. |
| John F. Cooper | Sacramento | Five concertinas. |
| John F. Cooper | Sacramento | Nine accordeons. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| John F. Cooper | Sacramento | Six anthropes. |
| John F. Cooper | Sacramento | Four ariston organettes. |
| John F. Cooper | Sacramento | One bass drum. |
| John F. Cooper | Sacramento | Two snare drums. |
| John F. Cooper | Sacramento | Twenty violins. |
| John F. Cooper | Sacramento | Twenty violin boxes. |
| John F. Cooper | Sacramento | Two banjos in boxes. |
| John F. Cooper | Sacramento | Music folios. |
| John F. Cooper | Sacramento | Piano stools. |
| John F. Cooper | Sacramento | Six guitars. |
| John F. Cooper | Sacramento | Eighty-four small musical instruments. |
| George Topping | Sacramento | Working model of locomotive. |
| Theo. W. Schwamb | Sacramento | Two White sewing machines. |
| Mrs. Belle Quarles | Sacramento | Display of ideal embroidery (machine made). |
| Mrs. Belle Quarles | Sacramento | Ideal embroidery machine. |
| Fred. Jantzen | San Francisco | Jantzen stove lamp. |
| Fred. Jantzen | San Francisco | Jantzen billiard-table lamp. |
| Fred. Jantzen | San Francisco | Jantzen portable lamp. |
| Fred. Jantzen | San Francisco | Chicago lamp. |
| James Linforth | San Francisco | Bronze statuary and monuments. |
| The Guittard Mfg Co. | San Francisco | Teas, coffees, and spices. |
| The Guittard Mfg Co. | San Francisco | Perfumery, California manufacture. |
| The California Slate Co. | San Francisco | Display of roofing slate. |
| Dickert & Meyers | Cove Creek, U. T. | Roll sulphur. |
| Dickert & Meyers | Cove Creek, U. T. | Sublimate and fine ground sulphur. |
| Asa T. Heyden | San Francisco | Gelatine relief process and photo engr'g. |
| California Fertilizer Co. | San Francisco | Dis. of land fertilizer for orchard or field. |
| Mexican Phos. & Sul. Co. | San Francisco | Guano fertilizer. |
| J. Everding & Co. | San Francisco | California laundry wheaten starch. |
| J. Everding & Co. | San Francisco | German granulated soap. |
| Risdon Iron Works | San Francisco | Macbeth steel pulley. |
| The Guittard Mfg Co. | San Francisco | Cafe des gourmands. |
| The Guittard Mfg Co. | San Francisco | Stephane's perfumes, California mf'e. |
| Bandmann, Nielsen & Co. | San Francisco | Giant powder, Nos. 1 and 2. |
| Bandmann, Nielsen & Co. | San Francisco | Gelatine dynamite. |
| Bandmann, Nielsen & Co. | San Francisco | Dynamite gelatine. |
| Mrs. E. A. Wilson | Temescal | Object lessons. |
| Mrs. C. A. Blodgett | Temescal | Object lessons. |
| James Gamble | Oakland | Sections of submarine cables. |
| Towle Bros. & Co. | Alta | Wood pulp. |
| Margaret Leach | Oakland | Object lessons. |
| Edith Stone | Oakland | Object lessons. |
| Lawrence Valeiga | Temescal | Object lessons. |
| Robert Bayley | San Francisco | Display of paper boxes. |
| McKim & Orth | Sacramento | Display of infants' wear. |
| McKim & Orth | Sacramento | Display of embroidery material. |
| Miss M. Hinkson | Sacramento | One painted satin photograph case. |
| Mrs. O. W. McGowan | Sacramento | One glass globe of wax harp and flowers. |
| Mrs. O. W. McGowan | Sacramento | One wreath of feather flowers. |
| Mrs. O. W. McGowan | Sacramento | One lyre of shavings flowers made of Oregon cedar. |
| R. E. Gogings | Sacramento | Display of family medicines. |
| R. E. Gogings | Sacramento | Veterinary medical chest. |
| Rev. John F. Von Herrlich | Sacramento | One silk bedspread, embroidered. |
| Rev. John F. Von Herrlich | Sacramento | Two silk tidies, embroidered. |
| Rev. John F. Von Herrlich | Sacramento | One silk painted tidy. |
| Rev. John F. Von Herrlich | Sacramento | One silk painted wall banner. |
| Rev. John F. Von Herrlich | Sacramento | One silk painted handkerchief case. |
| Miss Julia Smith | Sacramento | One crochet slumber robe. |
| Crocker & Breuner | Sacramento | One electro-safety bicycle. |
| Crocker & Breuner | Sacramento | One electro-safety bicycle. |
| Crocker & Breuner | Sacramento | One 55-inch Columbia light roadster. |
| Crocker & Breuner | Sacramento | One 51-inch Columbia light roadster. |
| Crocker & Breuner | Sacramento | One 54-inch Columbia light roadster. |
| Crocker & Breuner | Sacramento | One 52-inch Victor light roadster. |
| Crocker & Breuner | Sacramento | One 42-inch Victor Junior light roadster. |
| Crocker & Breuner | Sacramento | One Victor tricycle. |
| Madame Lee | San Francisco | Cosmetics and manicure. |
| G. E. Burwell | Sacramento | Home-made doughnuts. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| G. E. Burwell | Sacramento | Home-made crullers. |
| Whittier, Fuller & Co. | Sacramento | Display of parlor easels. |
| Whittier, Fuller & Co. | Sacramento | Display of gilt tables. |
| Whittier, Fuller & Co. | Sacramento | Display of fretwork. |
| James Forderer | San Francisco | Display of zinc castings. |
| James Forderer | San Francisco | Display of galvanized ornamental work. |
| James Forderer | San Francisco | Display of skylights for roofs of buildings. |
| Cathen, Bell & Co. | San Francisco | Display of Little's chemical fluid. |
| Cathen, Bell & Co. | San Francisco | Display of sheep dip (non-poisonous). |
| The W. H. Bone Co. | San Francisco | Display of C. C. liniment. |
| W. F. Harmon | San Francisco | Display of double spiral bed springs. |
| Selby Smelt'g and Lead Co. | San Francisco | Display of Standard machine loaded. |
| Selby Smelt'g and Lead Co. | San Francisco | Display of shotgun cartridges, Chamberlin patent. |
| Selby Smelt'g and Lead Co. | San Francisco | Exhibition of shot. |
| Selby Smelt'g and Lead Co. | San Francisco | Display of block tin pipe. |
| Selby Smelt'g and Lead Co. | San Francisco | Display of lead pipe. |
| Selby Smelt'g and Lead Co. | San Francisco | Display of bluestone and copperas. |
| C. E. Grunsky | Sacramento | Display of Maston's reading language and number frame. |
| William C. Hevener | Sacramento | One 48-inch special Star bicycle. |
| William C. Hevener | Sacramento | One 44-inch full nickel Ideal bicycle. |
| Mrs. B. Sinkey | Woodland | One ocean-wave quilt. |
| J. T. Dufau | San Francisco | One patent packing case for demijohns, bottles, and glassware. |
| J. T. Dufau | San Francisco | One Davey box fastener. |
| J. H. Love | San Francisco | Manufactured tablets. |
| Mrs. M. H. Ober | San Francisco | Display of ladies' underw'r in Union suits. |
| A. C. Shaw | Sacramento | One Morris upright piano, style "10," Bos. |
| A. C. Shaw | Sacramento | One Spencer upright piano, style "C," grand, Boston. |
| A. C. Shaw | Sacramento | One Conover Bros. upright piano, style "2," rosewood case, New York. |
| A. C. Shaw | Sacramento | Two Conover Bros. upright pianos, style "6," grand, ebonized frames. |
| A. C. Shaw | Sacramento | One Conover Bros. upright piano, style" 6," French walnut. |
| A. C. Shaw | Sacramento | One Conover Bros. upright piano, style "6," extra ebonized. |
| A. C. Shaw | Sacramento | One patent piano player. |
| Mrs. J. L. Brown | Sacramento | One lace apron. |
| Mrs. H. Works & Co. | San José | Mansfield's capillaris. |
| Mrs. S. M. Lechleiter | Sacramento | Three banners embroidered in fish scales. |
| Mrs. S. M. Lechleiter | Sacramento | One handkerchief b'x emb. in fish scales. |
| Mrs. S. M. Lechleiter | Sacramento | Two cologne bottles emb. in fish scales. |
| Charles Gibbons Davis | San Francisco | The Welsback system of incandescent gaslighting. |
| William C. Hevener | Sacramento | One 38-inch American Ideal bicycle. |
| William C. Hevener | Sacramento | One 48-inch American Ideal bicycle. |
| William C. Hevener | Sacramento | One 42-inch American Ideal bicycle. |
| William C. Hevener | Sacramento | One 34-inch American Ideal tricycle. |
| William C. Hevener | Sacramento | One 42-inch American Challenge tricycle. |
| William C. Hevener | Sacramento | One 48-inch, full nickel, Champion bicycle. |
| William C. Hevener | Sacramento | One 54-inch, full nickel, Champion bicycle. |
| William C. Hevener | Sacramento | One 50-inch Standard Champion bicycle. |
| William C. Hevener | Sacramento | One 30-inch Singer Safety Cha'n bicycle. |
| William C. Hevener | Sacramento | American Rambler Safety bicycle. |
| William C. Hevener | Sacramento | One Electro Safety bicycle. |
| William C. Hevener | Sacramento | One Eureka tricycle. |
| William C. Hevener | Sacramento | One Western Toy tricycle. |
| William C. Hevener | Sacramento | One chain tricycle. |
| William C. Hevener | Sacramento | One 50-inch, full nickel, American Champion bicycle. |
| H. Merwin | Sacramento | Sample broom corn. |
| Mrs. Geo. C. McMullen | Sacramento | Six jars apple jelly |
| Mrs. Geo. C. McMullen | Sacramento | Six jars plum jelly· |
| Mrs. Geo. C. McMullen | Sacramento | Six jars prune jelly· |
| Mrs. Geo. C. McMullen | Sacramento | Six jars apricot jelly· |
| Mrs. Geo. C. McMullen | Sacramento | Six jars pear jelly· |
| Mrs. Geo. C. McMullen | Sacramento | Six jars peach jelly. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| J. D. Huffman | Lodi | Artistic figure of Ceres. |
| Joseph Putman | Clements | Hops. |
| Isaac Lea | Florin | Mission olives. |
| Isaac Lea | Florin | Picholine olives. |
| Isaac Lea | Florin | Dried olives. |
| Isaac Lea | Florin | Chestnuts. |
| Isaac Lea | Florin | Licorice root. |
| E. F. Aiken | Sacramento | Mammoth Tours pumpkins. |
| E. F. Aiken | Sacramento | Potiron pumpkins. |
| E. F. Aiken | Sacramento | Custard pumpkins. |
| E. F. Aiken | Sacramento | Banana pumpkins. |
| E. F. Aiken | Sacramento | Striped bergine pumpkins. |
| E. F. Aiken | Sacramento | Large cheese. |
| E. F. Aiken | Sacramento | Mammoth Chili squash. |
| E. F. Aiken | Sacramento | Marblehead squash. |
| E. F. Aiken | Sacramento | Boston marrow squash. |
| E. F. Aiken | Sacramento | Nest egg gourd. |
| E. F. Aiken | Sacramento | Sugar trough gourd. |
| E. F. Aiken | Sacramento | New red China squash. |
| E. F. Aiken | Sacramento | Early white bush squash. |
| E. F. Aiken | Sacramento | Perfect gem squash. |
| E. F. Aiken | Sacramento | Small cocoanut squash. |
| E. F. Aiken | Sacramento | White pineapple squash. |
| E. F. Aiken | Sacramento | Essex hybrid squash. |
| E. F. Aiken | Sacramento | Winter crookneck squash. |
| E. F. Aiken | Sacramento | Winter crookneck pumpkins. |
| E. F. Aiken | Sacramento | Salem improved squash. |
| E. F. Aiken | Sacramento | Turban squash. |
| E. F. Aiken | Sacramento | Brazil sugar pumpkin. |
| E. F. Aiken | Sacramento | Early yellow bush squash. |
| P. M. Artz | Perkins | Yankee squash. |
| P. M. Artz | Perkins | Green tobacco. |
| P. M. Artz | Perkins | String beans. |
| Mrs. L. B. Sutliff | Sacramento | Gourds. |
| Mrs. L. B. Sutliff | Sacramento | Quinces. |
| C. T. Adams | Newcastle | Persimmons. |
| J. P. M. Perham | San Francisco | Vermont maple syrup. |
| W. H. Murray | San Francisco | Special display of May's models, representing our State in commerce, trade, her manufactories, embracing cotton, silk, ramie, jute, kindred resources, both foreign and domestic. |
| E. Booth | Roseville | Quinces. |
| H. Foster | Sacramento | Evergreen millet. |
| C. H. Street & Co. | San Francisco | Display of California products. |
| B. N. Bugbey | Sutter County | Individual farm exhibit. |
| Mrs. G. C. McMullen | Sacramento | Grape jelly. |
| B. N. Bugbey | Sutter County | Yellow tomatoes. |
| B. N. Bugbey | Sutter County | Red pepper. |
| B. N. Bugbey | Sutter County | Egyptian corn. |
| B. N. Bugbey | Sutter County | One bale and six bunches broom corn. |
| B. N. Bugbey | Sutter County | One sack, two bunches broom corn seed. |
| Thomas Loydal | Sacramento | Two bales hops. |
| Mrs. H. E. Parker | Penryn | Ten jars prune jelly. |
| Mrs. H. E. Parker | Penryn | Six jars gooseberry jelly. |
| Mrs. H. E. Parker | Penryn | Six jars gros prune jelly. |
| Mrs. H. E. Parker | Penryn | Six jars grape jelly. |
| Mrs. H. E. Parker | Penryn | Six jars black raspberry jelly. |
| Mrs. H. E. Parker | Penryn | Six jars apricot jelly. |
| Mrs. H. E. Parker | Penryn | Six jars strawberry jam. |
| Mrs. H. E. Parker | Penryn | Six jars gooseberry jam. |
| Mrs. H. E. Parker | Penryn | Six jars grape jam. |
| Mrs. H. E. Parker | Penryn | Six jars quince jam. |
| Mrs. H. E. Parker | Penryn | Six jars black raspberry jam. |
| Mrs. H. E. Parker | Penryn | Six glasses spiced figs. |
| Mrs. H. E. Parker | Penryn | Fourteen bottles tomato catsup. |
| G. L. Hunt | Elk Grove | One sack and sheaf black-bearded wheat. |
| Mrs. C. Murray | San Francisco | Display of olive oil from Quito farm, Santa Clara. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Maye Kewen | Sacramento | Apple jelly. |
| Maye Kewen | Sacramento | Strawberry jam. |
| Maye Kewen | Sacramento | Spiced peaches. |
| Maye Kewen | Sacramento | Cherry preserves. |
| Maye Kewen | Sacramento | Peaches. |
| J. H. Burnell | San Francisco | Albion ale. |
| J. H. Burnell | San Francisco | Albion porter. |
| France Whittaker | San Francisco | Pure lard, free from cotton seed and other adulterations. |
| W. H. Murray | San Francisco | Natural asphaltum. |
| S. F. Produce Exchange | San Francisco | Standard of grain for California, for 1888 harvest. |
| Mattie Bates | Sacramento | Two cotton plants. |
| N. Wilcox | Sacramento | Display of quinces. |
| J. Wieland | San Francisco | Display of beer. |
| J. Wieland | San Francisco | Export beer. |
| J. Wieland | San Francisco | Draught beer. |
| Mrs. R. S. Frazee | Sacramento | Rolls (wheat). |
| Mrs. Geo. Muddox | Sacramento | Bottled chowchow. |
| Mrs. Geo. Muddox | Sacramento | Bottled pickled olives. |
| Mrs. Geo. Muddox | Sacramento | Bottled tomato catsup. |
| Mrs. Geo. Muddox | Sacramento | Bottled tomatoes (canned). |
| Mrs. Geo. Muddox | Sacramento | Bottled green peas. |
| Mrs. Geo. Muddox | Sacramento | Bottled egg tomatoes. |
| Mrs. Geo. Muddox | Sacramento | Bottled popcorn. |
| Mrs. S. Conrad | Sacramento | One fancy tart. |
| Mrs. S. Conrad | Sacramento | One coffee cake. |
| Harry Foster | Sacramento | Japanese persimmons. |
| J. R. Nickerson | Grass Valley | Cultivated grasses and grain. |
| P. M. Artz | Sacramento | Green tobacco. |
| D. F. Fryer | Oroville | Abietine remedies. |
| Lebenbaum Bros. | San Francisco | Hawley's bar sugar and frosting. |
| Lebenbaum Bros. | San Francisco | "La Favre" Saragota chips. |
| Lebenbaum Bros. | San Francisco | California olive oil. |
| Lebenbaum Bros. | San Francisco | Imported olive oil. |
| S. N. Stranahan | Nevada City | Sun-dried hops. |
| Mrs. R. S. Lockett | Perkins | Display of gourds. |
| Mrs. R. S. Lockett | Perkins | Display of cotton. |
| J. H. Murray | San Francisco | Dr. Henley's celery, beef, and iron. |
| C. McCreary & Co. | Sacramento | Superfine shipping flour. |
| F. V. Flint | Sacramento | One bale of hops. |
| Mrs. Addie Carter | Sacramento | Pineapple jam. |
| Mrs. Addie Carter | Sacramento | Orange jam. |
| Mrs. Addie Carter | Sacramento | Lemon jam. |
| Mrs. Addie Carter | Sacramento | Plum jam. |
| Mrs. Addie Carter | Sacramento | Currant jam. |
| Liebenbaum Bros. | San Francisco | California plum pudding sauce. |
| Liebenbaum Bros. | San Francisco | Display of fancy groceries. |
| Mrs. Addie Carter | Sacramento | Six jars of strawberry jam. |
| Mrs. Addie Carter | Sacramento | Six jars of orange jelly. |
| Mrs. Addie Carter | Sacramento | Six jars of plum jelly. |
| Mrs. Addie Carter | Sacramento | Peach pickles. |
| Mrs. Addie Carter | Sacramento | Pear pickles. |
| Mrs. Addie Carter | Sacramento | Grape pickles. |
| Mrs. George Muddox | Sacramento | Bottle of chowchow. |
| J. E. Camp | Perkins | One bale of hops. |

GOLD MEDAL ENTRIES.

| EXHIBITOR. | Address. | Articles Exhibited. |
|---|---|---|
| Mrs. M. H. Ober | San Francisco | Most meritorious exhibit of ladies' and children's underwear and corsets. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Live Stock. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS I—THOROUGHBRED HORSES. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | John Mackey | Sacramento | Midlothian | $40 00 |
| Second best | T. G. Jones | Santa Rosa | Three Cheers | 20 00 |
| Best two years old | J. K. Newton | San Francisco | Fergus 2d | 20 00 |
| Second best | J. K. Newton | San Francisco | Friday | 10 00 |
| Best one year old | L. U. Shippee | Stockton | Fellowcharm | 15 00 |
| Second best | L. U. Shippee | Stockton | Major Ban | 7 50 |
| *Mares.* | | | | |
| Best four years old and over, with colt | Alice M. Cutter | Sacramento | Lady Stacy | 40 00 |
| Second best | Frank Lowell | Sacramento | Lily H | 20 00 |
| Best two years old | L. U. Shippee | Stockton | Agnes B | 11 25 |
| Best one year old | L. U. Shippee | Stockton | Whisban | 7 50 |
| Second best | L. U. Shippee | Stockton | Falsalara | |
| *Families other than Thoroughbred.* | | | | |
| Best stallion and five of his colts | J. A. McCloud | Stockton | Mt. Vernon and colts | 50 00 |
| Best dam and two of her colts | E. Topham | Milpitas | Lady Nutwood and colts | 40 00 |
| CLASS II—STANDARD TROTTERS. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | H. S. Beals | Sacramento | Berlin | 40 00 |
| Second best | F. H. Burke | Menlo Park | Eros | 20 00 |
| Best three years old | Cook Stock Farm | Danville | Charles Derby | 30 00 |
| Second best | J. Donnelly | San Mateo | Grand | 15 00 |
| Best two years old | E. Topham | Milpitas | Nut Grove | 20 00 |
| Second best | H. S. Beals | Sacramento | Billy Irwin | 10 00 |
| Best one year old | R. A. Robinson | Sacramento | Bozero | 15 00 |
| Second best | J. A. McCloud | Stockton | Billy Vernon | 7 50 |
| Best stallion under one year | B. E. Harris | San Francisco | Brentwood | 10 00 |
| Second best | G. W. Hancock | Sacramento | | 5 00 |

FIRST DEPARTMENT—Continued.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| Best gelding | B. E. Harris | San Francisco | Harry Mc | $40 00 |
| Second best | J. H. Martin | Woodland | Shiloh | 20 00 |
| *Mares.* | | | | |
| Best four years old and over | W. F. Smith | Sacramento | Belle Blanche | 40 00 |
| Second best | Ira Pierce | San Francisco | Trix | 20 00 |
| Best two years old | Geo. M. French | Stockton | Kitty Vernon | 20 00 |
| Second best | Geo. Buckman | Sacramento | Amber | 10 00 |
| Best one year old | G. W. Hancock | Sacramento | Lady Guy | 10 00 |
| Second best | B. E. Harris | San Francisco | Lorena | 5 00 |
| Best suckling colt | W. F. Smith | Sacramento | Albina De Mer | 7 50 |
| CLASS III—ROADSTERS. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | T. C. Snider | Washington | Corsair | 40 00 |
| Second best | R. Seale | Shasta | Elmo, Jr. | 20 00 |
| Best three years old | | | | Protested. |
| Second best | Hugh Casey | Sacramento | Peerless | 15 00 |
| Best two years old | Mrs. W. C. Stahl | Pleasant Grove | Sunrise | 20 00 |
| Second best | W. F. Smith | Sacramento | Berlin Prince | 10 00 |
| Best one year old | Henry Klemp | Pleasant Grove | Nibs | 15 00 |
| Second best | N. Yost | Sacramento | Morgan | 7 50 |
| Best suckling colt | G. W. Hancock | Sacramento | Easter Wilkes | 10 00 |
| Second best | A. D. Miller | Walsh's Station | Harry Thorp | 5 00 |
| Best roadster, gelding | W. M. Billups | Colusa | E. C. Pert | 40 00 |
| Second best | Miss Nellie J. Ryan | Sacramento | Hollywood | 20 00 |
| *Mares.* | | | | |
| Best four years old and over | Dr. C. E. Pinkham | Sacramento | Crescent | 40 00 |
| Second best | B. E. Harris | San Francisco | Fearless | 20 00 |
| Best three years old | J. A. McCloud | Stockton | Grace Vernon | 30 00 |
| Second best | A. D. Miller | Walsh's Station | H B L | 15 00 |
| Best two years old | J. A. McCloud | Stockton | Miss Vernon | 20 00 |
| Second best | A. D. Oakley | Sacramento | Bonnie O | 10 00 |
| Best one year old | T. C. Snider | Washington | Adelia | 10 00 |
| Second best | Mrs. W. C. Stahl | Pleasant Grove | Frances | 5 00 |

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|---|---|---|---|---|---|
| SPECIAL PREMIUMS. | | | | | |
| For roadster, gelding | P. J. Shafter | Olema | Viking | | 40 00 |
| CLASS IV—CARRIAGE TEAMS. | | | | | |
| Best matched span of carriage horses, owned and used as such by one person* | | | | | |
| Second best | John Garrity | San Francisco | Laura and Rodger | | 25 00 |
| CLASS V—ROADSTER TEAMS. | | | | | |
| Best double team roadsters, owned and used as such by one person | Dave Eiseman | San Francisco | Success and May | | 40 00 |
| Second best | Ira Pierce | San Francisco | Vengeance and Setting Sun | | 20 00 |
| CLASS VI—HORSES OF ALL WORK. | | | | | |
| *Stallions.* | | | | | |
| Best four years old and over | W. E. Comstock | Pleasant Grove | Maje | | 40 00 |
| Second best | George Hack | Freeport | Peacock | | 20 00 |
| Best three years old | D. R. Hunt | Freeport | Emperor | | 30 00 |
| Second best | Theo. Skillman | Petaluma | Tom Cooper, Jr. | | 15 00 |
| Best two years old | P. Russell | Brighton | Cellem | | 20 00 |
| Second best | J. A. McCloud | Stockton | Johnny Vernon | | 10 00 |
| Best one year old | Joseph Heintz | Sacramento | Suby | | 15 00 |
| Second best | D. G. Tilton | Nicolaus | D G T | | 7 50 |
| Best under one year | Jacob Heintz | Sacramento | Major | | 10 00 |
| Second best | D. G. Tilton | Nicolaus | Daylight | | 5 00 |
| *Mares.* | | | | | |
| Best four years old and over, with colt | W. E. Comstock | Pleasant Grove | Lena Leinster and colt | | 40 00 |
| Second best | D. G. Tilton | Nicolaus | Nellie and colt | | 20 00 |
| Best four years old and over | D. G. Tilton | Nicolaus | Maude | | 30 00 |
| Second best | A. D. Miller | Walsh Station | Lucy Gray | | 15 00 |
| Best three years old | A. D. Miller | Walsh Station | Jeannette | | 20 00 |
| Second best | R. J. McKenzie | Nicolaus | Daisy | | 10 00 |
| Best two years old | Robert Gourlie | Freeport | Sallie | | 15 00 |
| Second best | W. E. Comstock | Pleasant Grove | Topsy | | 7 50 |
| Best one year old | Robert Gourlie | Freeport | Nellie Henrich | | 10 00 |
| Second best | A. D. Miller | Walsh Station | Nellie | | 5 00 |
| Best suckling colt | W. E. Comstock | Pleasant Grove | Maude | | 10 00 |
| Second best | H. H. Wilson | Nicolaus | Myrtle | | 5 00 |

*Premium not awarded, as owner would not permit team to be weighed.

FIRST DEPARTMENT—Continued.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS VII—DRAFT HORSES—NORMANS. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | Wm. Curtis | Sacramento | Vivien | $40 00 |
| Best three years old | H. Wilsey | Petaluma | Attila | 22 50 |
| Best two years old | F. B. Chandler | Elmira | Frank Pixley | 20 00 |
| Second best | H. Wilsey | Petaluma | Durand | 15 00 |
| Best one year old | F. B. Chandler | Elmira | Shasta | 11 25 |
| Best under one year | F. B. Chandler | Elmira | Ko Ko | 7 50 |
| *Mares.* | | | | |
| Best four years old and over, with colt | F. B. Dodge | Binghampton | Maggie and colt | 30 00 |
| Best four years old and over | F. B. Chandler | Elmira | Biche | 22 50 |
| Best suckling mare colt | F. B. Dodge | Binghampton | Magnolia | 7 50 |
| CLASS VIII—PERCHERONS. | | | | |
| *Stallions.* | | | | |
| Best stallion four years old and over | John Seaward | Wheatland | Luneville | 40 00 |
| Second best | Theo. Skillman | Petaluma | Hercule | 20 00 |
| CLASS IX—CLYDESDALES. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | J. Roberts | Irvington | Duke | 30 00 |
| Best two years old | J. Roberts | Irvington | Prince | 20 00 |
| Second best | H. Wilsey | Petaluma | Lord McDuff, Jr. | 15 00 |
| Best one year old | J. Roberts | Irvington | Jubilee | 11 25 |
| Best under one year | J. Roberts | Irvington | Plunger | 7 50 |
| *Mares.* | | | | |
| Best four years old and over, with colt | J. Roberts | Irvington | Jule and colt | 30 00 |
| Best four years old and over | J. Roberts | Irvington | Damsel | 22 50 |
| Best three years old | J. Roberts | Irvington | Dolly | 18 75 |

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|---|---|---|---|---|
| CLASS X—DRAFT HORSES, OTHER THAN NORMANS, PERCHERONS, OR CLYDESDALES. | | | | |
| *Stallions.* | | | | |
| Best four years old and over | Robert Orr | Hollister | Pioneer | 40 00 |
| Second best | J. Moddison | Washington | Young Donald Dinnie | 20 00 |
| Best three years old | Robert Orr | Hollister | Salisbury | 30 00 |
| Second best | R. J. Merkeley | Sacramento | Vandee, Jr. | 15 00 |
| Best two years old | R. J. Merkeley | Sacramento | Victor | 20 00 |
| Second best | John Seaward | Wheatland | Brilliant | 15 00 |
| Best one year old | C. Heisen | Sacramento | Prince | 15 00 |
| Second best | J. Grubbs | Oroville | Bertem, Jr. | 7 50 |
| Best under one year | C. Heisen | Sacramento | Champion | 7 50 |
| *Mares.* | | | | |
| Best mare four years old and over, with colt | R. J. Merkeley | Sacramento | Fanchon and colt | 40 00 |
| Second best | C. Heisen | Sacramento | Daisy and colt | 20 00 |
| Best one year old | R. J. Merkeley | Sacramento | Nellie | 7 50 |
| Best under one year | R. J. Merkeley | Sacramento | Queen | 7 50 |
| CLASS XI—SADDLE HORSES. | | | | |
| Best saddle horse (mare or gelding) | B. E. Harris | San Francisco | Allan | 20 00 |
| Second best | J. B. Haggin | San Francisco | Hancock | 10 00 |
| CLASS XII—SWEEPSTAKES. | | | | |
| Best stallion | Cook Stock Farm | Danville | Baron Hilton (584) (Cleve'd Bay) | 100 00 |
| Best mare | W. F. Smith | Sacramento | Victorine (standard) | 100 00 |
| CLASS XIII—JACKS, JENNIES, AND MULES. | | | | |
| Second best jack four years old and over | S. Parker | Rocklin | Richard Fox | 20 00 |
| Best jack two years old | Levi Carter | Ceres | Washington Eclipse, Jr. | 15 00 |
| Best mule two years old | H. Klemp | Pleasant Grove | Lize | 18 75 |
| Best one year old | H. Klemp | Pleasant Grove | Nell | 15 00 |
| SPECIAL—CLEVELAND BAY AND FRENCH COACH. | | | | |
| Best stallion four years old and over | Cook Stock Farm | Danville | Royal Studley (Cleveland Bay) | 40 00 |
| Second best | Theo. Skillman | Petaluma | Vindicator (French Coach) | 20 00 |
| Best three years old | Cook Stock Farm | Danville | General (Cleveland Bay) | 22 50 |

FIRST DEPARTMENT—Continued.

CATTLE.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS I—DURHAMS. | | | | |
| *Bulls.* | | | | |
| Best three years old and over | C. Younger & Son | San José | 3d Kirklevington of Forest Home | $40 00 |
| Second best | Wilfred Page | Penn's Grove | Mugwump | 20 00 |
| Best two years old | Wilfred Page | Penn's Grove | Rogue | 22 50 |
| Best one year old | C. Younger & Son | San José | 26th Kirklevington of F. H. | 20 00 |
| Second best | Wilfred Page | Penn's Grove | Belt | 10 00 |
| Best bull calf | P. S. Childs | Davisville | Red Prince 2d | 15 00 |
| Second best | Wilfred Page | Penn's Grove | Gilt Edge | 7 50 |
| *Cows.* | | | | |
| Best three years old and over | Wilfred Page | Penn's Grove | Maita | 40 00 |
| Second best | Bridgford & Mulligan | Colusa | Manunga | 20 00 |
| Best two years old | Wilfred Page | Penn's Grove | Christmas Eve | 30 00 |
| Second best | C. Younger & Son | San José | Jessie Maynard 4th | 15 00 |
| Best one year old | Bridgford & Mulligan | Colusa | Manunga 2d | 20 00 |
| Second best | P. Peterson | Sites | Ruby B | 10 00 |
| Best heifer calf | C. Younger & Son | San José | Oxford Rose 12th | 15 00 |
| Second best | P. S. Childs | Davisville | Red Rose | 7 50 |
| *Herd.* | | | | |
| Best over two years old | P. S. Childs | Davisville | Kirklevington Oxford Duke and four cows | Silver pitcher. |
| Best under two years old | P. Peterson | Sites | Syoc and four cows | 30 00 |
| *Sweepstakes.* | | | | |
| Best bull of any age | C. Younger & Son | San José | 3d Kirklevington of Forest Home | 50 00 |
| Best cow of any age | Bridgford & Mulligan | Colusa | Manunga 2d | 50 00 |
| CLASS II—JERSEY AND GUERNSEY. | | | | |
| *Bulls.* | | | | |
| Best three years old and over | Levi Carter | Ceres | Earl of Mameluke | 40 00 |
| Second best | H. S. Sargent | Stockton | Waterman | 20 00 |
| Best two years old | A. L. Nichols. | Sacramento | Gladstone | 30 00 |
| Second best | Wm. Johnston | Richland | Dick | 15 00 |

| | | | | |
|---|---|---|---|---|
| Best one year old | W. C. Smith | Florin | King of Y. B. | 20 00 |
| Second best | Wm. Johnston | Richland | Joe | 10 00 |
| Best bull calf | H. S. Sargent | Stockton | Aloha | 15 00 |
| Second best | L. F. Eaton | Florin | Black Bart | 7 50 |
| *Cows.* | | | | |
| Best three years old and over | W. C. Smith | Florin | Irene Straatsburgh | 40 00 |
| Second best | Thos. Ward | Oakland | Lady Maude | 20 00 |
| Best two years old | H. S. Sargent | Stockton | Ann Platt | 30 00 |
| Second best | Wm. Johnston | Richland | Beauty 3d | 15 00 |
| Best one year old | W. C. Smith | Florin | Martha of Florin | 20 00 |
| Second best | Wm. Johnston | Richland | Ellen Douglass 2d | 10 00 |
| Best heifer calf | W. C. Smith | Florin | Mona of Florin | 15 00 |
| Second best | J. Askew | El Dorado | Mountain Pink | 7 50 |
| *Herd.* | | | | |
| Best herd over two years—(Divided premium) | J. Askew / H. S. Sargent | El Dorado / Stockton | | 60 00 |
| Best herd under two years | T. Ward | Oakland | Silver King and four cows | 45 00 |
| SWEEPSTAKES. | | | | |
| Best bull, any age | T. Ward | Oakland | Billy Ralston | 50 00 |
| Best cow, any age | H. S. Sargent | Stockton | Daisy W | 37 50 |
| CLASS IV—AYRSHIRES. | | | | |
| *Bulls.* | | | | |
| Best two years old | Geo. Bement & Son | San Pablo | Lord Faxon | 22 50 |
| Best one year old | Geo. Bement & Son | San Pablo | Red Mikado | 15 00 |
| Second best | Geo. Bement & Son | San Pablo | Hotspur | 7 50 |
| Best bull calf | Geo. Bement & Son | San Pablo | Express | 11 25 |
| *Cows.* | | | | |
| Best three years old and over | Geo. Bement & Son | San Pablo | Sybilla | 30 00 |
| Second best | Geo. Bement & Son | San Pablo | Highland Mary | 15 00 |
| Best two years old | Geo. Bement & Son | San Pablo | Ethelberta | 22 50 |
| Best one year old | Geo. Bement & Son | San Pablo | Faxonia | 15 00 |
| Best heifer calf | Geo. Bement & Son | San Pablo | Frou Frou | 11 25 |
| Second best | Geo. Bement & Son | San Pablo | Highland Beauty | 5 67 |
| *Herd.* | | | | |
| Best herd | Geo. Bement & Son | San Pablo | Lord Faxon and cows | 45 00 |

FIRST DEPARTMENT—Continued.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| SWEEPSTAKES. | | | | |
| Best bull of any age | Geo. Bement & Son | San Pablo | Lord Faxon | $37 50 |
| Best cow of any age | Geo. Bement & Son | San Pablo | Sybilla | 37 50 |
| CLASS V—HEREFORDS. | | | | |
| *Bulls.* | | | | |
| Best two years old | J. L. McCracken | Auburn | Prince | 22 50 |
| Best one year old | J. L. McCracken | Auburn | Howard | 15 00 |
| Best calf | J. L. McCracken | Auburn | Gay Lad | 11 25 |
| *Cows.* | | | | |
| Best three years old | J. L. McCracken | Auburn | Mabel | 30 00 |
| Second best | J. L. McCracken | Auburn | Eva S | 15 00 |
| Best one year old | J. L. McCracken | Auburn | Fair Maid | 15 00 |
| Second best | J. L. McCracken | Auburn | Lida | 7 50 |
| Best heifer calf | J. L. McCracken | Auburn | Lily | 11 25 |
| Second best | J. L. McCracken | Auburn | Kitty | 5 65 |
| *Herd.* | | | | |
| Best herd | J. L. McCracken | Auburn | Prince and four cows | 45 00 |
| SWEEPSTAKES. | | | | |
| Best bull, any age | J. L. McCracken | Auburn | Prince | 37 50 |
| Best cow, any age | J. L. McCracken | Auburn | Eva S | 37 50 |
| CLASS VI—HOLSTEINS. | | | | |
| *Bulls.* | | | | |
| Best three years old and over | F. H. Burke | Menlo Park | Sedro | 40 00 |
| Second best | Leland Stanford | San Francisco | Nadine Veeman | 20 00 |
| Best two years old | F. H. Burke | Menlo Park | Von Moltke | 22 50 |
| Best one year old | Leland Stanford | San Francisco | Montague | 20 00 |
| Second best | F. H. Burke | Menlo Park | King of Menlo | 10 00 |
| Best bull calf | Leland Stanford | San Francisco | Osuno | 15 00 |
| Second best | F. H. Burke | Menlo Park | El Cuerro Netherland | 7 50 |

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|---|---|---|---|---|
| *Cows.* | | | | |
| Best cow three years old and over | Leland Stanford | San Francisco | Pietje Piersma | 40 00 |
| Second best | F. H. Burke | Menlo Park | Sylpha | 20 00 |
| Best two years old | Leland Stanford | San Francisco | Ledo | 30 00 |
| Second best | F. H. Burke | Menlo Park | Ontaretta | 15 00 |
| Best one year old | F. H. Burke | Menlo Park | Belanga | 20 00 |
| Second best | Leland Stanford | San Francisco | Mecox | 10 00 |
| Best heifer calf | Leland Stanford | San Francisco | Ojinegro | 15 00 |
| Second best | F. H. Burke | Menlo Park | Bentje Lincoln | 7 50 |
| *Herd.* | | | | |
| Best of any age | Leland Stanford | San Francisco | Nadine Veeman and four cows | Silver pitcher. |
| SWEEPSTAKES. | | | | |
| Best bull of any age | F. H. Burke | Menlo Park | Sedro | 50 00 |
| Best cow of any age | Leland Stanford | San Francisco | Pansyne | 50 00 |
| CLASS VIII—GRADED. | | | | |
| Best cow three years old and over | W. Tryon | Sacramento | Jersey | 22 50 |
| Best cow two years old | W. Tryon | Sacramento | Pet | 7 50 |
| Best cow one year old | P. H. Murphy | Brighton | Red Belle | 5 00 |
| Best heifer calf | W. Tryon | Sacramento | Beauty | 5 00 |
| CLASS IX—HERD SWEEPSTAKES. | | | | |
| Best milk herd | Leland Stanford | San Francisco | Nadine Veeman (4404) and four cows (Holsteins) | Silver pitcher. |
| Best beef herd | P. S. Childs | Davisville | Kirklevington Oxford (3672) and four cows (Durhams) | $100 00 |
| CLASS X—MILCH COWS. | | | | |
| Best milch cow of any age or breed | Leland Stanford | San Francisco | Pansyne. Record: seven days milking, 356 lbs. 14 oz. | 30 00 |
| Second best | F. H. Burke | Menlo Park | Sylpha. Record: seven days milking, 302 lbs. 3 oz. | 20 00 |

FIRST DEPARTMENT—Continued.

SHEEP.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS I—SPANISH MERINO. | | | | |
| Best ram two years old and over | F. Bullard | Woodland | King George | $22 50 |
| Best ram one year old and under two | F. Bullard | Woodland | Clingstone | 16 88 |
| Best three ram lambs | F. Bullard | Woodland | | 16 88 |
| Best pen of not less than five ewes, two years old and over | F. Bullard | Woodland | | 16 88 |
| Best pen of not less than five ewes, one year old and under two | F. Bullard | Woodland | | 16 88 |
| Best pen of five ewe lambs | F. Bullard | Woodland | | 16 88 |
| Best ram and five of his lambs | F. Bullard | Woodland | | 22 50 |
| CLASS II—FRENCH MERINO. | | | | |
| Best ram two years old and over | James Roberts | Irvington | Fernando | 22 50 |
| Best ram one year old and under two | James Roberts | Irvington | Non Pier | 16 88 |
| Best three ram lambs | James Roberts | Irvington | | 16 88 |
| Best pen of not less than five, two years old and over | James Roberts | Irvington | | 16 88 |
| Best pen of not less than five, one year old and under two | James Roberts | Irvington | | 16 88 |
| Best ram and five of his lambs | James Roberts | Irvington | Fernando and five lambs | 22 50 |
| CLASS IV—LEICESTERSHIRE. | | | | |
| Best ram of any age | C. Younger & Son | San José | Just Right | 15 00 |
| Pest pen of ewes, not less than five | C. Younger & Son | San José | | 15 00 |
| Best ram and five of his lambs | C. Younger & Son | San José | Just Right and five lambs | 15 00 |
| CLASS V—SHROPSHIRE. | | | | |
| Best ram of any age | J. H. Glide | Sacramento | Jumbo | 20 00 |
| Second best | A. Smith | Redwood | Royal Duke | 10 00 |
| Best pen of ewes, not less than five | A. Smith | Redwood | | 15 00 |
| Best pen of not less than five ewe lambs | A. Smith | Redwood | | 16 88 |
| Best three ram lambs | A. Smith | Redwood | | 16 88 |
| Best ram and five of his lambs | A. Smith | Redwood | | 15 00 |
| SWEEPSTAKES. | | | | |
| Best ram of any age or breed, and five of his lambs | F. Bullard | Woodland | King George (Spanish merino) | 50 00 |

| ANGORA GOATS. | | | | |
|---|---|---|---|---|
| Best buck, two years and over | Thomas Harlan | Williams | Governor Helm | 25 00 |
| Second best | J. Weyand | Little Stony P. O. | | 12 50 |
| Best buck under two years | T. H. Harlan | Williams | Angelo | 15 00 |
| Second best | J. Weyand | Little Stony | | 6 50 |
| Best pen of not less than three does, two years and over | T. H. Harlan | Williams | | 25 00 |
| Second best | J. Weyand | Little Stony | | 12 50 |
| Best pen under two years old | T. Harlan | Williams | | 15 00 |
| Second best | J. Weyand | Little Stony | | 7 50 |
| *Graded.* | | | | |
| Best pen of three does, two years old and over | T. Harlan | Williams | | 10 00 |
| Second best | J. Weyand | Little Stony | | 7 50 |
| *Herd.* | | | | |
| Best herd of ten, any age or breed | T. Harlan | Williams | | 30 00 |
| Second best | J. Weyand | Little Stony | | 15 00 |

## SWINE.

| Live Stock. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS I—BERKSHIRE. | | | | |
| Best boar two years old and over | A. Smith | Redwood City | Redwood Duke | $20 00 |
| Second best | Wm. Jacobs | Sacramento | Bismarck | 10 00 |
| Best boar one year old and under two | A. Smith | Redwood City | Piploe | 15 00 |
| Second best | T. Waite | Perkins | Brighton | 7 50 |
| Best boar six months old and under one year | A. Smith | Redwood City | Redwood Duke 2d | 10 00 |
| Second best | T. Waite | Perkins | Dan Corbett | 5 00 |
| Best breeding sow two years old and over | W. S. Jacobs | Sacramento | Pino 5th | 20 00 |
| Second best | A. Smith | Redwood City | Redwood Lass | 10 00 |
| Best sow one year old and under two years | A. Smith | Redwood City | Redwood Sallie 3d | 15 00 |
| Second best | W. S. Jacobs | Sacramento | Belle of Pino I | 7 50 |
| Best sow six months old and under one year | T. Waite | Perkins | Brighton Lass | 10 00 |
| Second best | A. Smith | Redwood City | Red Sallie 6th | 5 00 |
| Best sow and six pigs under three months old | A. Smith | Redwood City | Redwood Lass and six pigs | 20 00 |
| Second best | T. Waite | Perkins | Redwood Belle and six pigs | 10 00 |
| Best pair of pigs under six months | A. Smith | Redwood City | Red Duke 10th and Red Sallie 10th | 15 00 |
| Second best | W. Jacobs | Sacramento | Duke and Duchess Pino 5th | 7 50 |

FIRST DEPARTMENT—Continued.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| CLASS II—ESSEX. | | | | |
| Best boar two years old and over | Geo. Bement & Son | San Pablo | Tyler | $15 00 |
| Best boar six months old and under one year | Geo. Bement & Son | San Pablo | | 7 50 |
| Best breeding sow two years old and over | Geo. Bement & Son | San Pablo | Josie | 15 00 |
| Best sow one year old and under two years | Geo. Bement & Son | San Pablo | Belle Hewitt | 11 25 |
| Best sow six months old and under one year | Geo. Bement & Son | San Pablo | Nan Hewitt | 7 50 |
| Best pair of pigs under six months | Geo. Bement & Son | San Pablo | | 11 25 |
| CLASS III—POLAND-CHINA. | | | | |
| Best boar two years old and over | Paul Sheppa | Batavia | Bismarck | 22 50 |
| Best boar six months old and under one year | P. H. Murphy | Brighton | Young Samson | 7 50 |
| Best sow six months old and under one year | P. H. Murphy | Brighton | Black Beauty | 7 50 |
| Best pair of pigs under six months | Paul Sheppa | Batavia | | 11 25 |
| SWEEPSTAKES. | | | | |
| Best boar of any age or breed | Andrew Smith | Redwood City | Redwood Duke | 30 00 |
| Best sow of any age or breed | Andrew Smith | Redwood City | Redwood Sallie 2d | 30 00 |
| Best pen of six pigs under six months | Andrew Smith | Redwood City | | 20 00 |
| Best family—one boar, two sows, six pigs | Andrew Smith | Redwood City | | 25 00 |

POULTRY.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| LIGHT BRAHMAS. | | | | |
| Best cock and hen | T. Waite | Perkins | | $3 00 |
| Best cockerel and pullet | T. Waite | Perkins | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | 7 50 |
| DARK BRAHMAS. | | | | |
| Best breeding pen | George E. Duden | Sacramento | | 7 50 |
| LANGSHANS. | | | | |
| Best cock and hen | T. Waite | Perkins | | 3 00 |
| Best cockerel and pullet | George E. Duden | Sacramento | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | 10 00 |

| | | | | | |
|---|---|---|---|---|---|
| BUFF COCHINS. | | | | | |
| Best cockerel and pullet | T. Waite | Perkins | | | 3 00 |
| PARTRIDGE COCHINS. | | | | | |
| Best cock and hen | T. Waite | Perkins | | | 3 00 |
| Best cockerel and pullet | T. Waite | Perkins | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 7 50 |
| PLYMOUTH ROCKS. | | | | | |
| Best cock and hen | Geo. E. Duden | Sacramento | | | 3 00 |
| Best cockerel and pullet | Geo. E. Duden | Sacramento | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 10 00 |
| BROWN LEGHORNS. | | | | | |
| Best cock and hen | T. Waite | Perkins | | | 3 00 |
| Best cockerel and pullet | T. Waite | Perkins | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 10 00 |
| WHITE LEGHORNS. | | | | | |
| Best cock and hen | Geo. E. Duden | Sacramento | | | 3 00 |
| Best cockerel and pullet | Geo. E. Duden | Sacramento | | | 3 00 |
| Best breeding pen | H. L. Nichols | Sacramento | | | 7 50 |
| WHITE-FACED BLACK SPANISH. | | | | | |
| Best cock and hen | E. B. Robinson | Sacramento | | | 3 00 |
| Best cockerel and pullet | E. B. Robinson | Sacramento | | | 3 00 |
| Best breeding pen | E. B. Robinson | Sacramento | | | 10 00 |
| HOUDANS. | | | | | |
| Best cock and hen | T. Waite | Perkins | | | 3 00 |
| Best cockerel and pullet | T. Waite | Perkins | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 7 50 |
| SILVER-SPANGLED HAMBURGS. | | | | | |
| Best cock and hen | T. Waite | Perkins | | | 3 00 |
| Best cockerel and pullet | T. Waite | Perkins | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 7 50 |
| POLISH. | | | | | |
| Best cock and hen | T. Waite | Perkins | | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | | 7 50 |

FIRST DEPARTMENT—Continued.

| LIVE STOCK. | Name of Owner. | Address. | Name of Animal. | Award. |
|---|---|---|---|---|
| WYANDOTTES. | | | | |
| Best cock and hen | T. Waite | Perkins | | $3 00 |
| Best cockerel and pullet | W. S. Jacobs | Sacramento | | 3 00 |
| Best breeding pen | Geo. E. Duden | Sacramento | | 10 00 |
| BLACK-BREASTED RED GAME. | | | | |
| Best cock and hen | T. Waite | Perkins | | 3 00 |
| Best breeding pen | T. Waite | Perkins | | 5 00 |
| BRONZE TURKEYS. | | | | |
| Best pair | T. Waite | Perkins | | 7 50 |
| GEESE. | | | | |
| Best pair of Toulouse geese | T. Waite | Perkins | | 5 00 |
| Second best pair of Toulouse geese | F. H. Burke | Menlo Park | | 3 00 |
| ROUEN DUCKS. | | | | |
| Best pair | T. Waite | Perkins | | 5 00 |
| Second best pair | F. H. Burke | Menlo Park | | 3 00 |
| PEKIN DUCKS. | | | | |
| Best pair | T. Waite | Perkins | | 5 00 |

## MACHINERY, IMPLEMENTS, ETC.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—MACHINERY, ENGINES, ETC. | | | |
| Pacific Manufacturing Co. | Sacramento | Well pump | $10 00 |
| Stanton, Thomson & Co. | Sacramento | Machine for manufacturing field or garden fence | $20 00 |
| Root, Neilson & Co. | Sacramento | Apparatus for raising water for irrigating purposes | $20 00 |
| F. A. Huntington | San Francisco | Model centrifugal roller, quartz mill | Honorable mention. |
| Pacific Saw Manufacturing Co. | San Francisco | Saw gummer | $2 00 |
| Geo. W. Topping | Sacramento | Steam engine (two horse power), California manufacture | $30 00 |
| CLASS II—AGRICULTURAL MACHINES. | | | |
| S. C. H. Agricultural Works | Stockton | Hay press | $20 00 |
| Stanton, Thomson & Co. | Sacramento | Cider mill and press | Diploma. |
| Stanton, Thomson & Co. | Sacramento | Lawn mower | Diploma. |
| A. & A. Heilbron | Sacramento | Hay and straw cutter | Diploma. |
| Baker & Hamilton | Sacramento | Thrashing machine | $30 00 |
| Baker & Hamilton | Sacramento | Horse hay rake | $5 00 |
| Baker & Hamilton | Sacramento | Power corn sheller | Diploma. |
| Baker & Hamilton | Sacramento | Hand corn sheller | Diploma. |
| Benicia Agricultural Works | Benicia | Best display of agricultural machinery by any one house, Cal. manuf. | $50 00 |
| Benicia Agricultural Works | Benicia | Sweep horse power, California manufacture | $10 00 |
| CLASS III—AGRICUL'RAL MACHINES. | | | |
| Theodore Palm | Sacramento | Derrick for stacking grain | $10 00 |
| Stanton, Thomson & Co. | Sacramento | Self binding harvester | $20 00 |
| Stanton, Thomson & Co. | Sacramento | Corn planter, hand power | $2 00 |
| Stanton, Thomson & Co. | Sacramento | One-horse cultivator | $5 00 |
| Stanton, Thomson & Co. | Sacramento | Hay-pitching machine | $10 00 |
| A. & A. Heilbron | Sacramento | Display of reaping and mowing machine knives | $5 00 |
| A. & A. Heilbron | Sacramento | Harrow | $10 00 |
| Truman, Hooker & Co. | San Francisco | Cultivator | $10 00 |
| Baker & Hamilton | Sacramento | Mowing machine | $10 00 |
| Baker & Hamilton | Sacramento | Combined reaper and mower | $10 00 |
| Baker & Hamilton | Sacramento | Potato planter | $5 00 |
| Baker & Hamilton | Sacramento | Horse hoe | Diploma. |
| Baker & Hamilton | Sacramento | Double shovel plow | Diploma. |
| Benicia Agricultural Works | Benicia | Grain broadcast sowing machine | $10 00 |

SECOND DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Wm. Gutenberger | Sacramento | Field roller and crusher | $10 00 |
| Minnesota Thresher Mfg Co. | Oakland | Self feeder for thrashing machine | $10 00 |
| Truman, Hooker & Co. | San Francisco | Wheat drill | $10 00 |
| CLASS IV—AGRICULTURAL MACHINES. | | | |
| John Klees | Sacramento | Fanning mill | $5 00 |
| John Klees | Sacramento | Grain cleaner, Independent | $10 00 |
| Henry Goossen | Cordelia | Farm gate | $10 00 |
| Stanton, Thomson & Co. | Sacramento | Windmill | $25 00 |
| S. C. H. Agricultural Works | Stockton | Grain cleaner attachment for thrasher | $10 00 |
| G. G. Wickson & Co. | San Francisco | Farm feed mill | $10 00 |
| G. G. Wickson & Co. | San Francisco | Beehive without bees | $3 00 |
| G. G. Wickson & Co. | San Francisco | Agricultural boiler | Diploma. |
| CLASS V—TOOLS AND HOUSEHOLD IMPLEMENTS. | | | |
| Stanton, Thomson & Co. | Sacramento | Display of haying and harvesting tools | $10 00 |
| Huntington, Hopkins & Co. | Sacramento | Cabbage cutter | $2 00 |
| Huntington, Hopkins & Co. | Sacramento | Pruning knives | $2 50 |
| Huntington, Hopkins & Co. | Sacramento | Pruning shears | $2 50 |
| Huntington, Hopkins & Co. | Sacramento | Sausage meat cutter and stuffer | $2 00 |
| A. S. Hopkins & Bro. | Sacramento | Clothes-horse to occupy least space | Diploma. |
| James Linforth | San Francisco | Zimmerman's fruit evaporator or drier | $20 00 |
| A. & A. Heilbron | Sacramento | Farm road scraper | $5 00 |
| Baker & Hamilton | Sacramento | Garden seed drill | $2 00 |
| E. W. Melvin | Sacramento | Newbecker washing machine | $5 00 |
| E. W. Melvin | Sacramento | Empire clothes wringer | Diploma. |
| G. G. Wickson & Co. | San Francisco | Butter worker | Diploma. |
| G. G. Wickson & Co. | San Francisco | Cheese vat with heater attachment | $10 00 |
| G. G. Wickson & Co. | San Francisco | Display of dairy machinery | $20 00 |
| G. G. Wickson & Co. | San Francisco | Cheese press | Diploma. |
| G. G. Wickson & Co. | San Francisco | Milk cooler | Diploma. |
| Point Reyes and Holstein Dairy Company | Point Reyes | Churn | $5 00 |
| CLASS VI—PLOWS. | | | |
| Stanton, Thomson & Co. | Sacramento | Dynamometer | $5 00 |
| Stanton, Thomson & Co. | Sacramento | Chilled plow | $5 00 |
| Stanton, Thomson & Co. | Sacramento | Vineyard plow | $5 00 |

| | | | |
|---|---|---|---|
| Burge & Donahoo | San Francisco | Sulky plow | $10 00 |
| Burge & Donahoo | San Francisco | Stubble plow (single wheel) | $5 00 |
| A. & A. Heilbron | Sacramento | Cast-iron plow | $5 00 |
| Truman, Hooker & Co. | San Francisco | Steel plow | $5 00 |
| Truman, Hooker & Co. | San Francisco | One-horse plow | $5 00 |
| Benicia Agricultural Works | Benicia | Gang plow | $25 00 |
| Benicia Agricultural Works | Benicia | Subsoil plow | $5 00 |
| Benicia Agricultural Works | Benicia | Sidehill plow | $5 00 |
| Benicia Agricultural Works | Benicia | Plow for all purposes | $5 00 |
| Baker & Hamilton | Sacramento | Sod plow | $5 00 |
| CLASS VII—VEHICLES. | | | |
| J. W. Wilson | Sacramento | Closed family carriage | Diploma and $25 00 |
| W. E. Shaw | San Francisco | Pleasure cart | $10 00 |
| A. Meister | Sacramento | Open family carriage | Diploma and $25 00 |
| A. Meister | Sacramento | Open buggy | $10 00 |
| A. Meister | Sacramento | Ladies' phaeton | $10 00 |
| A. Meister | Sacramento | Two-seated open wagon | $15 00 |
| A. Meister | Sacramento | Trotting wagon | $10 00 |
| Charles Ott | Sacramento | Spring market wagon | $10 00 |
| J. Sovereign | Woodland | Breaking cart | $10 00 |
| J. Jepsen | Sacramento | Top buggy | Diploma and $15 00 |
| Chris. Nielsen | Sacramento | Business wagon | $10 00 |
| Baker & Hamilton | Sacramento | Farm wagon for general purposes | $20 00 |
| Studebaker Bros. | Sacramento | Carriage or cab for children | Diploma. |
| Studebaker Bros. | Sacramento | Assortment of carriage material and trimmings | Diploma. |
| Truman, Hooker & Co. | San Francisco | Track sulky | $5 00 |

# THIRD DEPARTMENT.

## TEXTILE FABRICS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—CLOTHING AND KINDRED TEXTURES. | | | |
| F. H. Coffman | Sacramento | Twenty-five yards rag carpet | $5 00 |
| David Crise | Escondido | Display of burlap rags (home made) | Silver medal. |
| D. H. Quinn | Sacramento | Best display of hats and caps | Silver medal. |
| D. H. Quinn | Sacramento | Best silk hat | $5 00 |
| D. H. Quinn | Sacramento | Best soft hat | $5 00 |
| Mrs. M. H. Ober | San Francisco | Best display of ladies and children's underwear | Dept. medal. |
| Ingram & Bird | Sacramento | Exhibition of carpets and rugs | $20 00 |
| Ingram & Bird | Sacramento | Fifteen yards of woolen carpet | Silver medal. |
| California Cotton Mills | East Oakland | Display of towels and table cloths | Silver medal and $10 00 |
| California Cotton Mills | East Oakland | Best ten pounds dressed flax | $5 00 |
| California Cotton Mills | East Oakland | Best ten yards cotton duck and toweling | $25 00 |
| California Cotton Mills | East Oakland | Best linen sack twine | $5 00 |
| California Cotton Mills | East Oakland | Best ten yards kersey | $5 00 |
| Weinstock & Lubin | Sacramento | Best display of dry goods | $20 00 |
| Golden Gate Woolen Mills | San Francisco | Best Mackinac blanket | $5 00 |
| Christy & Wise | San Francisco | Best samples of California wools | Silver medal. |
| McKim & Orth | Sacramento | Best stocking yarn | $3 00 |
| CLASS II—NEEDLE, SHELL, AND WAXWORK. | | | |
| Mrs. J. L. Brown | Sacramento | Two embroidered velvet banners | $3 00 |
| Miss Lizzie F. Mund | Sacramento | One embroidered table scarf, two ends tinsel | $3 00 |
| Miss Clara Spooner | Ash Valley | One embroidered piano scarf | $3 00 |
| Mrs. J. C. Jacka | Sacramento | One embroidered sofa raised wool work | $2 00 |
| Miss Loretta Bohl | Sacramento | One embroidered handkerchief case | $3 00 |
| Mrs. J. G. Jackson | San Francisco | One crochet shawl | $3 00 |
| Mrs. Hattie Gardiner | Pleasant Valley | One crochet cape | $2 00 |
| Mrs. Hattie Gardiner | Pleasant Valley | One lounge afghan | $3 00 |
| Mrs. Hattie Gardiner | Pleasant Valley | Thirteen varieties ornamental grasses | $3 00 |
| Mrs. Hattie Gardiner | Pleasant Valley | Display of paper flowers | $5 00 |
| Mrs. Hattie Gardiner | Pleasant Valley | Display of outlined embroidery | $1 00 |
| Mrs. Mary Strub | Sacramento | Display of one shell work table | $2 00 |
| Mrs. R. S. Frazee | Sacramento | One crochet afghan | $5 00 |

| | | | |
|---|---|---|---|
| Mrs. M. E. Osgood | Sacramento | Three patchwork quilts | $3 00 |
| Mrs. Sophie Conrad | Sacramento | One crochet bedspread | $5 00 |
| Mrs. Charles Robin | Sacramento | One embroidered piano cover, applique | $3 00 |
| Mrs. Charles Robin | Sacramento | One embroidered table scarf, arrasene | $3 00 |
| Mr. George M. Purnell | Sacramento | One embroidered silk quilt | $5 00 |
| Mrs. J. W. Cotton | Dixon | One embroidered wall panel | $5 00 |
| Mrs. M. E. Tryon | Sacramento | One crazy patchwork quilt | $3 00 |
| Mrs. Theo. Deming | Sacramento | One table scarf, kensington work | $3 00 |
| Mrs. Theo. Deming | Sacramento | One pair knit mittens | $2 00 |
| Mrs. Sadie Pearson | Sacramento | One knitted bedspread | $5 00 |
| Mrs. W. B. C. Brown | Sacramento | One braided pillow and scarf | $5 00 |
| Misses C. & M. Brothers | Sacramento | Best display of millinery | $20 00 |
| Misses C. & M. Brothers | Sacramento | Best velvet bonnet | $5 00 |
| Misses C. & M. Brothers | Sacramento | Best velvet hat | $5 00 |
| Misses C. & M. Brothers | Sacramento | Best silk bonnet | $5 00 |
| Misses C. & M. Brothers | Sacramento | Best feathers | $10 00 |
| Misses C. & M. Brothers | Sacramento | Best artificial flowers | $10 00 |
| Miss Annie L. Chandler | Nicolaus | One carriage afghan | $5 00 |
| Miss Annie L. Chandler | Nicolaus | One embroidered toilet set of cushion and bottles | $5 00 |
| Miss Annie L. Chandler | Nicolaus | Kensington floss on silk | $5 00 |
| Mrs. W. H. Wright | Sacramento | Best kensington with crewel on wool | $2 00 |
| Mrs. W. H. Wright | Sacramento | Best knit stockings | $3 00 |
| Mrs. C. A. Patrick | Sacramento | Best display of children's clothing, California made | $15 00 |
| McKim & Orth | Sacramento | Best display of fancy goods | $20 00 |
| Mrs. Wm. M. Lyon | Sacramento | Best painting on bolting cloth | $5 00 |
| Mrs. Wm. M. Lyon | Sacramento | Best surface plush painting | $5 00 |
| Mrs. Wm. M. Lyon | Sacramento | Best laid plush painting | $5 00 |
| Mrs. Wm. M. Lyon | Sacramento | Best raised silk work | $3 00 |
| Mrs. Wm. M. Lyon | Sacramento | Best display of decorative painting on plush, silk velvet, bolting cloth, and linen | $10 00 |
| Mrs. Hugh Casey | Sacramento | Best needlework picture | $3 00 |
| Mrs. Ravena | San Francisco | Best bead work | Diploma. |
| Mrs. O. Summers | Sacramento | Best cotton embroidery | $3 00 |
| Miss Agnes Hummel | Sacramento | Best embroidery handkerchief | $2 00 |
| Miss Agnes Hummel | Sacramento | Best embroidery flannel | $5 00 |
| Mrs. Addie Carter | Sacramento | Best wax flowers | $1 00 |
| Mrs. Addie Carter | Sacramento | Best bouquet of skeleton leaves | $3 00 |
| Mrs. E. W. Norris | Sacramento | Best chenille work | $5 00 |
| Mrs. E. W. Norris | Sacramento | Best plush ribbon work | $3 00 |
| Mrs. E. W. Norris | Sacramento | Best sofa pillow and cushion | $5 00 |
| Miss Alice Watson | Sacramento | Best darned net work | $2 00 |
| Miss Carrie Davey | Sacramento | Best and finest display of lace by hand | $10 00 |
| Mrs. O. W. McGowan | Sacramento | Best display of moss work | $3 00 |
| Mrs. F. A. Arnold | San Francisco | Best embroidered fire screen | $5 00 |
| Mrs. F. A. Arnold | San Francisco | Best Turkish embroidery | $3 00 |

THIRD DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Mrs. F. A. Arnold | San Francisco | Best ivorine painting | $5 00 |
| Mrs. F. A. Arnold | San Francisco | Luster painting | $5 00 |
| Mrs. F. A. Arnold | San Francisco | Best Spanish drawn work | $5 00 |
| Mrs. F. A. Arnold | San Francisco | Best fancy braiding | $3 00 |
| Mrs. F. A. Arnold | San Francisco | Best embroidered bedspread | $5 00 |
| Mrs. F. A. Arnold | San Francisco | Best variety of porcelain painting | $10 00 |
| Mrs. F. A. Arnold | San Francisco | Largest and handsomest display of fancy articles made by a lady | $20 00 |
| *Special Premiums.* | | | |
| Mrs. F. A. Arnold | San Francisco | Best piece of embroidery work (President L. U. Shippee) | $20 00 |
| Mrs. F. A. Arnold | San Francisco | Best piece of porcelain painting (Director C. M. Chase) | $20 00 |
| Mrs. H. C. Briggs | Oakland | Best decorative painted fire screen (Director Fred. Cox) | $20 00 |
| Susie V. Staples | El Dorado | Fancy work | Special premium rec. |
| CLASS II—JUVENILE DEPARTMENT. | | | |
| Dora M. Fish | Sacramento | One calico dress (hand made) | Special premium rec. |
| Anna M. Fish | Sacramento | One needlework picture | $5 00 |
| Clarence Ruggles | Sacramento | One frame of paper flowers (wreath) | Napkin ring. |
| Edna Harvey | Sacramento | Best silk quilt | $5 00 |
| Agnes M. Hopper | Sacramento | One calico dress | $5 00 |
| Bertie Wassermann | Sacramento | One knit stocking purse | Napkin ring. |
| Daisy Wassermann | Sacramento | One crochet chemise yoke | Napkin ring. |
| Miss Isaacs | Sacramento | One table scarf | $5 00 |
| Miss Isaacs | Sacramento | One table cover | $3 00 |
| Miss S. J. Hopper | Sacramento | Painted panel (pen drawing) | Napkin ring. |
| CLASS III—PRINTING, LITHOGRAPHING, ETC. | | | |
| George W. Hagans | San Francisco | Sheet music | Silver medal. |
| McCabe Lithograph Co. | San Francisco | Display of lithography and zincograph photo, and relief plate process | Silver medal. |

# FOURTH DEPARTMENT.

## MECHANICAL PRODUCTS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—MANUFACTURE OF LEATHER, PAPER, AND RUBBER. | | | |
| Henry Beeger | Redwood City | Best display of leather | Silver medal. |
| Alveda Meza | Sacramento | One Mexican saddle, home manufacture | $5 00 |
| R. W. Neely | Sacramento | Best display of men's boots, shoes, and gaiters | Silver medal. |
| R. W. Neely | Sacramento | Best pair of heavy boots | $5 00 |
| R. W. Neely | Sacramento | Best pair of dress boots | $5 00 |
| R. W. Neely | Sacramento | Best pair of gentlemen's dress shoes | $5 00 |
| R. W. Neely | Sacramento | Best pair of gentlemen's congress gaiters | $5 00 |
| R. W. Neely | Sacramento | Best pair of ladies' congress gaiters | $3 00 |
| R. W. Neely | Sacramento | Best pair of ladies' bootees | $3 00 |
| James Longshore | Sacramento | Best exhibit of traveling trunks, bags, and valises | Silver medal and $10 00 |
| S. P. Taylor & Co. | San Francisco | Best general display of paper manufactured in California, not less than two tons | $20 00 |
| A. A. Van Voorhies & Co. | Sacramento | Best one set of patent harness | Special premium. |
| J. Jepsen | Napa | Best one set of single harness | $10 00 |
| CLASS II—WORKED METALS. | | | |
| Mrs. J. L. Baker | Sacramento | Best display of kitchen utensils, of tin | $5 00 |
| C. W. Goddard | Sacramento | Best display of horseshoes, hand made | Silver medal. |
| Huntington, Hopkins & Co. | Sacramento | Best display of general hardware | $20 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of iron and steel | $10 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of blacksmithing tools | Diploma and $10 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of pocket cutlery | $5 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of wire goods | Diploma and $5 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of copper work | $10 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of files | $5 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of brass work | $10 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of mill saws | $5 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of mechanics' tools | $20 00 |
| Huntington, Hopkins & Co. | Sacramento | Best display of horseshoes, Phœnix, machine made | Silver medal. |
| Huntington, Hopkins & Co. | Sacramento | Best display of modern building hardware | $20 00 |
| A. & A. Heilbron | Sacramento | Best display of butchers' supplies and goods | Diploma and $10 00 |
| J. W. Eaton | Placerville | Hammer designed and manufactured by J. W. Eaton | Honorable mention. |
| Abner Doble | San Francisco | John Wright's picks | Diploma. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Pacific Saw Manufacturing Co. | San Francisco | Best display of circular saws | Silver medal. |
| Selby Lead and Smelting Co. | San Francisco | Best display of shot | Diploma. |
| Selby Lead and Smelting Co. | San Francisco | Best sample of block tin pipe | Diploma. |
| Selby Lead and Smelting Co. | San Francisco | Best exhibition of lead pipe | Diploma. |
| Selby Lead and Smelting Co. | San Francisco | Best exhibition of anti-friction metal | Diploma. |
| T. Doyle | San Francisco | Best hoof clasp improved beveled horseshoe nail | Diploma. |
| CLASS III—STOVES, CASTINGS, ETC. | | | |
| A. Aitken | Sacramento | Parlor grate | $3 00 |
| B. L. Ball | Sacramento | Farm bell | $5 00 |
| Joseph F. Forderer | San Francisco | Ornamental statuary | $5 00 |
| C. D. Harvey | San Francisco | Warming furnaces and other apparatus | Silver medal. |
| Fred. Jantzen | San Francisco | Oil stove | $5 00 |
| CLASS IV—MUSICAL INSTRUMENTS. | | | |
| Antisell Piano Co. | San Francisco | Upright piano | Sil. medal and diploma. |
| CLASS V—FURNITURE. | | | |
| J. D. Huffman | Lodi | Display of California wood | Silver medal. |
| Fr. Kuehne | Sacramento | Two side tables, inlaid work table | Diploma. |
| Capital Furniture Co. | Sacramento | Dressing bureau | $10 00 |
| Capital Furniture Co. | Sacramento | Bookcase | $5 00 |
| Capital Furniture Co. | Sacramento | Wardrobe | $10 00 |
| Capital Furniture Co. | Sacramento | School furniture | $10 00 |
| John Breuner | Sacramento | Lounge | $5 00 |
| John Breuner | Sacramento | Office chair | $5 00 |
| John Breuner | Sacramento | Center table | $5 00 |
| John Breuner | Sacramento | Display of furniture | |
| John Breuner | Sacramento | Sick chair or couch | $5 00 |
| John Breuner | Sacramento | Spring mattress | $5 00 |
| John Breuner | Sacramento | Display of upholstery | $10 00 |
| John Breuner | Sacramento | Display of willow furniture | $10 00 |
| Charles M. Campbell | Sacramento | Best set of bedroom furniture | $10 00 |
| W. D. Comstock | Sacramento | Best hair mattress | $5 00 |
| Charles M. Campbell | Sacramento | Best sofa | $10 00 |
| Charles M. Campbell | Sacramento | Best wool mattress | $5 00 |
| W. F. Harmon | San Francisco | Best double spiral spring bed | Premium recommen'd. |

| | | | |
|---|---|---|---|
| CLASS VI—WOODENWARE. | | | |
| A. S. Hopkins & Bro. | Sacramento | Best display of cedarware | $5 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of pineware | $5 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of oakware | $5 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of willowware | $10 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of splitwood baskets | $3 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of osier | $5 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of woodenware | $25 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of broom corn, brooms, and brushes | $10 00 |
| A. S. Hopkins & Bro. | Sacramento | Best assortment of hair brushes | $5 00 |
| A. S. Hopkins & Bro. | Sacramento | Best assortment of coopers' ware | $10 00 |
| E. N. Hill | Sacramento | Best inlaid table top | $5 00 |
| Whittier, Fuller & Co. | Sacramento | Best display of window shades | $5 00 |
| Whittier, Fuller & Co. | Sacramento | Best display of gilt frames | $5 00 |
| Theo. W. Schwamb | Sacramento | Best sample of twist moldings | $5 00 |
| Theo. W. Schwamb | Sacramento | Best display of fancy moldings and scroll sawing | $5 00 |
| CLASS VII—ELECTRICAL APPLIANCES, ETC. | | | |
| I. X. L. Elastic Truss Company | San Francisco | I. X. L. elastic truss | Silver medal. |
| Waterhouse Electric and Mfg Co. | Hartford, Conn. | Two electric generators and dynamos, thirty incandescent lamps, four voltaic arc lamps, voltameter, animeter | Silver medal. |
| A. C. Shaw | Sacramento | German tellurion (astronomical) | Premium recommen'd. |
| George Topping | Sacramento | Electric light dynamo, California manufacture | Silver medal. |
| CLASS VIII—CHEMICALS. | | | |
| Capital Soap Company | Sacramento | Best display of soap | Silver medal. |
| Capital Soap Company | Sacramento | Best display of bleaching soap | Diploma. |
| Capital Soap Company | Sacramento | Best display of toilet soap | Diploma. |
| Capital Soap Company | Sacramento | Best display of castile soap | Diploma. |
| A. S. Hopkins & Bro. | Sacramento | Best display of writing fluid | $2 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of blacking | $2 00 |
| A. S. Hopkins & Bro. | Sacramento | Best display of stove polish | Diploma. |
| A. S. Hopkins & Bro. | Sacramento | Best display of axlegrease | Diploma. |
| The Guittard Manufacturing Co. | San Francisco | Yeast powder (Chief) | Diploma. |
| The Guittard Manufacturing Co. | San Francisco | Chocolate, California manufacture | Diploma. |
| T. W. Jackson | San Francisco | Best display of potash | $5 00 |
| T. W. Jackson | San Francisco | Best display of caustic soda | Diploma. |
| T. W. Jackson | San Francisco | Best display of insecticide potash | Diploma. |
| Selby Smelting and Lead Co. | San Francisco | Best bluestone and copperas | Premium recommen'd. |
| Hueter Bros. & Co. | San Francisco | Best copal varnish | $5 00 |
| Hueter Bros. & Co. | San Francisco | Best general display of varnishes | Silver medal. |
| John Reynolds | San Francisco | Best prussiate of potash | $5 00 |
| C. H. Street | San Francisco | Best display of lubricating petroleum | Diploma. |

FOURTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Alf. R. Kelly | San Francisco | Best display of Golden West oil | Diploma. |
| Alf. R. Kelly | San Francisco | Best display of Neal's carriage paints | Diploma. |
| John Reynolds | San Francisco | Best display of oil of vitrol, muriatic, and nitric acid | Silver medal. |
| Alf. R. Kelly | San Francisco | Best display of imperishable paint | Diploma. |
| CLASS IX—STONEWARE, ETC. | | | |
| George Muddox | Sacramento | Stoneware | Diploma. |
| George Muddox | Sacramento | Best water pipe of water lime | Diploma. |
| George Muddox | Sacramento | Best samples of drain tile | $5 00 |
| George Muddox | Sacramento | Samples of roofing | $5 00 |
| George Muddox | Sacramento | Samples of firebricks | $3 00 |
| George Muddox | Sacramento | Samples of pressed bricks | Diploma. |
| George Muddox | Sacramento | Samples of pottery of various kinds | Silver medal. |
| George Muddox | Sacramento | Best display of stoneware | $10 00 |
| Gladding, McBean & Co | Lincoln | Display of terra cotta | Diploma. |
| A. Aitken | Sacramento | Display of flooring tile | $5 00 |
| H. Palmer | San Francisco | Display of demijohns | Diploma. |
| C. Newman | San Francisco | Display of glassware | $10 00 |
| C. Newman | San Francisco | Display of demijohn improved box | Premium recommen'd. |
| Inyo Marble Co. | San Francisco | Display of dressed stone | $5 00 |
| CLASS X—MINERALS, FOSSILS, ETC. | | | |
| Alex. Keller | Auburn | Suit of fossils of California | Silver medal. |
| Alex. Keller | Auburn | Best collection of minerals illustrating the geology of California | Silver medal. |
| Alex. Keller | Auburn | Best suit of crystallized minerals of California | Silver medal. |
| Alex. Keller | Auburn | Suit of polished stone specimens | Premium recommen'd. |
| H. F. Frye | Relief Hill | Cabinet of minerals | Silver medal. |
| Nevada County | California | Exhibit of minerals | Premium recommen'd. |
| Inyo Marble Co. | San Francisco | Variety of marble | Premium recommen'd. |
| CLASS XI—MARBLE AND GRANITE WORK. | | | |
| A. Aitken | Sacramento | Polished marble | $30 00 |
| A. Aitken | Sacramento | Statuary, marble mantel | Silver medal. |
| A. Aitken | Sacramento | Marbleized slate | Silver medal. |
| A. Aitken | Sacramento | Marbleized iron | Silver medal. |

# FIFTH DEPARTMENT.

## AGRICULTURAL PRODUCTS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—SILK, COTTON, AND TOBACCO. | | | |
| California Cotton Mills | San Francisco | One bale California cotton | $20 00 |
| C. H. Street & Co. | San Francisco | Best display of silk made in California | $25 00 |
| David Bryan | Grass Valley | Best display of California tobacco in leaf | $5 00 |
| CLASS II—FLOUR AND GRAIN. | | | |
| J. D. Huffman | Lodi | Best display of grain in sheaf | $40 00 |
| John Reith | Union House | Best sample of Royal Australian wheat | $10 00 |
| B. N. Bugbey | Sutter County | Best sample of barley | $5 00 |
| B. N. Bugbey | Sutter County | Best sample of Chevalier barley | $5 00 |
| B. N. Bugbey | Sutter County | Best bushel of yellow corn | $5 00 |
| B. N. Bugbey | Sutter County | Best bushel of white corn | $5 00 |
| C. A. Hull | Union House | Best sample of Chili wheat | $10 00 |
| Mrs. R. S. Lockett | Perkins | Best exhibit of garden seeds (California production) | $10 00 |
| C. McCreary & Co. | Sacramento | Best family flour | $10 00 |
| C. McCreary & Co. | Sacramento | Best baker's flour | $10 00 |
| CLASS III—VEGETABLES, ROOTS, ETC. | | | |
| E. F. Aiken | Sacramento | Best one half peck peppers for pickles | $3 00 |
| E. F. Aiken | Sacramento | Best six marrow squashes | $3 00 |
| E. F. Aiken | Sacramento | Best six hubbard squashes | $3 00 |
| E. F. Aiken | Sacramento | Best six crookneck squashes | $3 00 |
| E. F. Aiken | Sacramento | Best peck tomatoes | $3 00 |
| B. N. Bugbey | Sutter County | Largest pumpkin | $3 00 |
| B. N. Bugbey | Sutter County | Best three mountain sweet watermelons | $2 00 |
| B. N. Bugbey | Sutter County | Best three striped watermelons | $3 00 |
| B. N. Bugbey | Sutter County | Best half peck lima beans, in pod | $3 00 |
| J. D. Huffman | Lodi | Best six sugar beets | $3 00 |
| Chauncey Langdon | Eureka | Best half bushel white potatoes | $5 00 |
| Chauncey Langdon | Eureka | Best half bushel red potatoes | $5 00 |
| Chauncey Laugdon | Eureka | Best half peck yellow onions | $3 00 |
| E. A. Bridgford | Colusa | Best half peck sweet potatoes | $5 00 |
| Mrs. Geo. Muddox | Sacramento | Best six cucumbers | $2 00 |
| Mrs. Geo. Muddox | Sacramento | Best half peck gherkins | $3 00 |

FIFTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Felice Gabrielli | Sacramento | Best twelve parsnips | $3 00 |
| Felice Gabrielli | Sacramento | Best twelve carrots | $3 00 |
| Felice Gabrielli | Sacramento | Best six long blood beets | $3 00 |
| Felice Gabrielli | Sacramento | Best six turnip beets | $3 00 |
| Felice Gabrielli | Sacramento | Best six drumhead cabbages | $3 00 |
| Felice Gabrielli | Sacramento | Best six heads red dutch cabbage | $3 00 |
| Felice Gabrielli | Sacramento | Best three heads of cauliflower | $3 00 |
| Felice Gabrielli | Sacramento | Best three heads of broccoli | $3 00 |
| Felice Gabrielli | Sacramento | Best six heads of lettuce | $2 00 |
| Felice Gabrielli | Sacramento | Best half peck of red onions | $3 00 |
| Felice Gabrielli | Sacramento | Best half peck of white onions | $3 00 |
| Felice Gabrielli | Sacramento | Best twelve roots salsify | $3 00 |
| Felice Gabrielli | Sacramento | Best six stalks celery | $3 00 |
| Felice Gabrielli | Sacramento | Best dozen sweet corn (green) | $3 00 |
| Felice Gabrielli | Sacramento | Best three cantaloupes | $3 00 |
| Felice Gabrielli | Sacramento | Best three muskmelons | $3 00 |
| Felice Gabrielli | Sacramento | Best half peck white beans | $3 00 |
| Felice Gabrielli | Sacramento | Best half peck kidney bush beans | $3 00 |
| Felice Gabrielli | Sacramento | Best half peck field peas (dry) | $2 00 |
| Felice Gabrielli | Sacramento | Best half peck garden peas (dry) | $3 00 |
| Felice Gabrielli | Sacramento | Best half peck castor oil beans | $3 00 |
| Felice Gabrielli | Sacramento | Greatest variety of peas (dry) | $3 00 |
| Felice Gabrielli | Sacramento | Three purple egg plants | $3 00 |
| Felice Gabrielli | Sacramento | Best table of vegetables | $20 00 |
| J. D. Huffman | Lodi | Best table of vegetables by one person | $20 00 |
| C. Langdon | Eureka | Best variety Irish potatoes | $5 00 |
| CLASS IV—FLOWERS, ETC. | | | |
| Bell Conservatory Co. | Sacramento | Best and largest collection of flowering plants in bloom | $20 00 |
| Bell Conservatory Co. | Sacramento | Best collection of ornamental foliage plants | $20 00 |
| Bell Conservatory Co. | Sacramento | Best display of cut flowers, to be kept fresh during the exhibition, by replacing | $20 00 |
| Bell Conservatory Co. | Sacramento | Best collection of new and rare plants | $15 00 |
| Bell Conservatory Co. | Sacramento | Best display of coleus, distinct varieties | $15 00 |
| Bell Conservatory Co. | Sacramento | Best and most varied exhibit of named varieties of dahlias | $10 00 |
| Bell Conservatory Co. | Sacramento | Best collection of roses in bloom | $10 00 |
| Bell Conservatory Co. | Sacramento | Best collection of fuchsias in bloom | $10 00 |
| Bell Conservatory Co. | Sacramento | Best collection of tuberoses | $10 00 |
| Bell Conservatory Co. | Sacramento | Best collection of pinks | $10 00 |

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|---|---|---|---|
| Bell Conservatory Co. | Sacramento | Best collection of ferns | $15 00 |
| Bell Conservatory Co. | Sacramento | Best display of bouquets | $10 00 |
| Bell Conservatory Co. | Sacramento | Best collection of plants suitable for greenhouse, conservatory, and window culture | $15 00 |
| Bell Conservatory Co. | Sacramento | Best display of hanging baskets, containing plants | $10 00 |
| *Specials.* | | | |
| Bell Conservatory Co. | Sacramento | September 8th, best floral display | $25 00 |
| Bell Conservatory Co. | Sacramento | September 13th, best floral display | $25 00 |
| CLASS V—CHEESE. | | | |
| John Burns | Nicolaus | Cheese one year old and over | $15 00 |
| John Burns | Nicolaus | Cheese under one year old | $10 00 |
| John Burns | Nicolaus | Best display of cheese | Diploma and $15 00 |
| CLASS VI—BUTTER, BREAD, ETC. | | | |
| L. F. Eaton | Florin | Best five pounds pure Jersey butter | The "Jersey Bulletin" gold medal. |
| James McM. Shafter | San Francisco | Best display of butter in rolls | $20 00 |
| James McM. Shafter | San Francisco | Best tub of firkin butter | Diploma and $15 00 |
| American Biscuit Company | San Francisco | Best pilot bread | Silver medal and dip. |
| American Biscuit Company | San Francisco | Best butter crackers | |
| American Biscuit Company | San Francisco | Best Boston crackers | |
| Miss S. Sullivan | Sacramento | Best domestic corn bread | $5 00 |
| Mrs. D. DeHull | Sacramento | Best soda biscuit | $2 00 |
| Mrs. W. H. Wright | Sacramento | Best domestic rye bread | $5 00 |
| Mrs. D. DeHull | Sacramento | Best domestic wheat bread | $5 00 |
| Mrs. W. H. Wright | Sacramento | Best domestic brown bread | $5 00 |
| Mrs. W. H. Wright | Sacramento | Best display of domestic bread | $10 00 |
| Miss Emma Muddox | Sacramento | Best domestic graham bread | $5 00 |
| W. F. Peterson | Sacramento | Best four loaves baker's bread | $3 00 |
| Mrs. D. DeHull | Sacramento | Best biscuit | $2 00 |
| CLASS VII—SUGAR, CONFECTIONS, ETC. | | | |
| Chas. F. Barton | Sacramento | Best display of confectionery | $10 00 |
| Chas. F. Barton | Sacramento | Best general varieties of candies made in hall during fair | Diploma and $10 00 |
| Mrs. R. S. Lockett | Perkins | Best display of sugar cane | $15 00 |
| W. H. Murray | San Francisco | Second best display of sugar cane | $10 00 |

# SIXTH DEPARTMENT.

## FRUITS, PRESERVES, WINES, ETC.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—GREEN FRUITS. | | | |
| S. N. Stranahan | Nevada City | Best display and variety of apples | $25 00 |
| Dr. A. Chapman | Nevada City | Second best | $20 00 |
| H. A. Frost | Dutch Flat | Third best | $15 00 |
| W. D. Carpenter | Diamond Springs | Fourth best | $10 00 |
| Joseph Putman | Clements | Fifth best | $5 00 |
| Dr. A. Chapman | Nevada City | Best display and variety of pears | $25 00 |
| A. C. Gillispie | Nevada City | Second best | $20 00 |
| J. Levee | Lowell Hill | Third best | $15 00 |
| H. A. Frost | Dutch Flat | Fourth best | $10 00 |
| J. P. Odbert | Sacramento | Fifth best | $5 00 |
| J. A. Robinson | Newcastle | Best display and variety of peaches | $25 00 |
| P. W. Butler | Penryn | Second best | $20 00 |
| C. T. Adams | Newcastle | Third best | $15 00 |
| John Reith, Jr. | Penryn | Fourth best | $10 00 |
| Clark & Williamson | Penryn | Fifth best | $5 00 |
| Mrs. J. Shields | Routiers | Best display and variety of plums | $25 00 |
| Clark & Williamson | Penryn | Second best | $20 00 |
| Mrs. M. E. Fox | Newcastle | Third best | $15 00 |
| W. D. Carpenter | Diamond Springs | Fourth best | $10 00 |
| Mrs. R. S. Lockett | Perkins | Fifth best | $5 00 |
| H. E. Parker | Penryn | Best display and variety of figs | $5 00 |
| Mrs. M. E. Fox | Newcastle | Second best | $2 50 |
| Mrs. M. E. Fox | Newcastle | Best display of tropical fruits | $20 00 |
| Clark & Williamson | Penryn | Second best | $10 00 |
| Mrs. M. E. Fox | Newcastle | Best display of oranges | $10 00 |
| S. N. Stranahan | Nevada City | Best display of fruit by a producer | $40 00 |
| Clark & Williamson | Penryn | Second best | $20 00 |
| CLASS II—HONEY, PICKLES, PRESERVES, ETC. | | | |
| Mrs. Geo. C. McMullen | Sacramento | Best six jars red currant jelly | $3 00 |
| Mrs. Geo. C. McMullen | Sacramento | Best six jars blackberry jelly | $3 00 |
| Mrs. Geo. C. McMullen | Sacramento | Best six jars strawberry jelly | $3 00 |
| Mrs. Geo. C. McMullen | Sacramento | Best six jars blackberry jam | $3 00 |

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|---|---|---|---|
| Mrs. Geo. C. McMullen | Sacramento | Second best display of jams and jellies in glass | $5 00 |
| Mrs. H. E. Parker | Penryn | Best six jars quince jelly | $3 00 |
| Mrs. H. E. Parker | Penryn | Best six jars raspberry jelly | $3 00 |
| Mrs. H. E. Parker | Penryn | Best display of jams and jellies in glass | $10 00 |
| Maye Kewen | Sacramento | Best display of brandied peaches | $3 00 |
| Mrs. George Muddox | Sacramento | Best ten pounds California honey | $5 00 |
| Mrs. George Muddox | Sacramento | Best display of pickles | $3 00 |
| Liebenbaum Bros. | San Francisco | Best display of canned and preserved jams and jellies by a factory | $20 00 |
| Mrs. Addie Carter | Sacramento | Best display of fruit in glass | $15 00 |
| Mrs. Addie Carter | Sacramento | Best six jars black currant jelly | $3 00 |
| Mrs. Addie Carter | Sacramento | Best six jars raspberry jam | $3 00 |
| CLASS III—DRIED FRUITS, NUTS, ETC. | | | |
| E. Booth | Roseville | Best ten pounds dried figs | $10 00 |
| Mrs. J. Shields | Routiers | Best ten pounds dried peaches | $5 00 |
| Mrs. J. Shields | Routiers | Best ten pounds dried plums | $5 00 |
| Mrs. J. Shields | Routiers | Best ten pounds dried prunes | $10 00 |
| S. N. Stranahan | Nevada City | Best ten pounds dried pears | $5 00 |
| S. N. Stranahan | Nevada City | Best ten pounds dried cherries | $5 00 |
| S. N. Stranahan | Nevada City | Best ten pounds dried blackberries | $5 00 |
| S. N. Stranahan | Nevada City | Best ten pounds dried raspberries | $5 00 |
| S. N. Stranahan | Nevada City | Best ten pounds dried strawberries | $5 00 |
| Dr. Chapman | Nevada City | Best ten pounds dried apples | $5 00 |
| Mrs. J. Shields | Routiers | Best ten pounds dried apricots | $5 00 |
| Fresno County | | Best display of dried fruits | $20 00 |
| D. H. Clippinger | Sacramento | Second best display of dried fruits | $10 00 |
| W. H. Williamson | Routiers | Best display of soft shelled almonds | $10 00 |
| E. F. Aiken | Sacramento | Best display of peanuts | $5 00 |
| Bean Spray Pump Co. | Los Gatos | Best wash for destroying scale insects on fruit trees, with directions for use | Silver medal. |
| Bean Spray Pump Co. | Los Gatos | Best wash for destroying codlin moth and its larva on fruit trees, with full directions for use | Silver medal. |
| CLASS IV—GRAPES AND RAISINS. | | | |
| E. L. Hawk | Rocklin | Best six varieties of table grapes | $15 00 |
| J. H. Nile | Grass Valley | Second best six varieties of table grapes | $7 50 |
| Thos. N. Payne | Grass Valley | Best six varieties of wine grapes | $15 00 |
| J. H. Nile | Grass Valley | Second best six varieties of wine grapes | $7 50 |
| Mrs. R. S. Lockett | Perkins | Second best three varieties of wine grapes | $5 00 |
| Wm. Foster | Lincoln | Best display of California raisins | $20 00 |
| E. Booth | Roseville | Second best display of California raisins | $10 00 |
| E. L. Hawk | Rocklin | Best three varieties of wine grapes | $10 00 |
| Mrs. M. E. Fox | Newcastle | Best display of seedless raisins | $10 00 |
| J. B. Whitcomb | Colfax | Best three varieties of table grapes | $10 00 |
| C. T. Adams | Newcastle | Second best three varieties of table grapes | $5 00 |
| Geo. H. Kerr | Elk Grove | Best one variety of wine grapes | $5 00 |

SIXTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| J. B. Whitcomb | Colfax | Second best one variety of wine grapes | $2 00 |
| Geo. H. Kerr | Elk Grove | Best variety of table grapes | $5 00 |
| J. B. Whitcomb | Colfax | Best general display of grapes by a producer | $25 00 |
| E. L. Hawk | Rocklin | Second best general display of grapes by a producer | $15 00 |
| CLASS V—BRANDIES AND WINES. | | | |
| H. W. Crabb | Oakville, Napa Co. | Best general display of California wines and brandies (24 varieties) | $100 00 |
| H. W. Crabb | Oakville, Napa Co. | Best brandy over one year old | $20 00 |
| H. W. Crabb | Oakville, Napa Co. | Best brandy one year old | $10 00 |
| H. W. Crabb | Oakville, Napa Co. | Best sweet wine | $20 00 |
| H. W. Crabb | Oakville, Napa Co. | Best California port | $20 00 |
| J. Gundlach & Co. | San Francisco | Best white wine | $20 00 |
| F. C. Hellwig | Nevada City | Best claret wine over one year old | $20 00 |
| M. M. Estee | Napa | Best claret wine one year old | $10 00 |
| M. S. Nevis | Sacramento | Best sherry wine | $20 00 |

SACRAMENTO, September 24, 1888.

*Hon.* H. M. LA RUE, *Superintendent of Pavilion:*

DEAR SIR: Your Committee on Native Wines and Brandies take pleasure in submitting the above awards as their selection, after due examination and testing. We have gauged our judgment, and by mutual consent agreed upon those as being what the world's market require, believing it to be the best rule to follow, inasmuch as our productions must compete with foreign goods. We note progress generally, but more particularly in red wines, or the so called clarets; several of the samples exhibited astonished the committee in point of excellence, and we believe them to be equal, if not superior, to most of the imported high priced foreign wines. White wines, dry, or fully fermented and matured, for which the demand is generally good, are as yet, judging from the samples exhibited (the staples, such as riesling, hock, etc., excepted), deficient, and need better care and attention in their manufacture before they can receive recognition in open market. Sweet or *liqueur* wines remain about the same, although some good samples of sherry have been shown. The addition of low grade brandy as a fortifier should not be resorted to as a preserver. The superiority of brandies depends chiefly from the material used in their manufacture, although some excellent samples are here shown, that need but age to be recognized and appreciated by connoisseurs, when a ready demand will be found for them in the market. In conclusion, we would say that we were entirely ignorant of the manufacturer's name of each or any sample presented for our examination, as the bottles were all covered and respectively numbered. We would, however, respectfully suggest that a second premium be offered on wines and brandies, as it often happens that several well matured samples of the same quality come in competition, and it is difficult for the committee to decide to which number the premium should be awarded.

Yours truly,

JACOB KNAUTH, for the Committee.

## FINE ARTS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| CLASS I—OIL PAINTINGS, WATER COLORS, ETC. | | | |
| Edwin Deakin | San Francisco | Thirty-three oil paintings | $45 00 |
| John A. Stanton | San Francisco | Eight oil paintings | $30 00 |
| A. Michelson | San Francisco | One pastel and two crayon portraits | $10 00 |
| Amanda Austin | Sacramento | Four oil paintings and crayon | $30 00 |
| Mrs. L. Irelan | San Francisco | Two water colors | Silver medal and $15 00 |
| H. Raschen | San Francisco | Four oil paintings and five charcoal sketches | $20 00 |
| Miss Alice H. Vincent | Oakland | Three oil paintings | $15 00 |
| Mary C. Richardson | San Francisco | One oil painting | $25 00 |
| C. T. Wilson | San Francisco | Two oil paintings | $15 00 |
| Norton Bush | San Francisco | Nine oil paintings | $25 00 |
| C. Von Perbandt | San Francisco | Two oil paintings | $15 00 |
| F. L. Heath | Santa Cruz | Eight oil paintings | $30 00 |
| J. Rastell | Oakland | Four oil paintings | $10 00 |
| Oscar Kunath | San Francisco | Two oil paintings | Silver medal and $30 00 |
| A. Joullin | San Francisco | Five oil paintings | $40 00 |
| Emil Carlson | San Francisco | Two oil paintings | $10 00 |
| H. W. Arthur Nahl | San Francisco | One oil painting and five crayons | Silver medal and $20 00 |
| Mrs. E. Dedman | Placerville | Nine oil paintings | $5 00 |
| William Keith | San Francisco | Fourteen oil paintings | Silver medal and $45 00 |
| W. F. Jackson | Sacramento | One oil painting | $15 00 |
| A. C. Rodriguez | San Francisco | Twelve oil paintings | $30 00 |
| Fred. Yates | San Francisco | Seven oil paintings | $25 00 |
| J. Brouchand | San Francisco | Two oil paintings | $5 00 |
| S. M. Brookes | San Francisco | Ten oil paintings | $30 00 |
| E. Narjot | San Francisco | Seven oil paintings | Gold medal and $45 00 |
| R. D. Yelland | San Francisco | Four oil paintings | Silver medal and $35 00 |
| L. Roethe | San Francisco | Two oil paintings and five pastels | $10 00 |
| Eva Withrow | San Francisco | Five oil paintings, ten pastels, and charcoals | $30 00 |
| Mrs. A. E. Rogers | San Francisco | One oil painting | $5 00 |
| Chas. Prosch | San Francisco | Seven oil paintings and one water color | $10 00 |
| Chris. Jorgensen | San Francisco | Seven water colors | $15 00 |
| G. Boedewig | San Francisco | Three crayons and one pastel | $5 00 |
| Mrs. S. Farnam | East Oakland | One crayon | $5 00 |

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Oscar Deakin | San Francisco | Six crayons | $10 00 |
| Adaline Morse | San Francisco | Five crayons | $5 00 |
| W. J. Mier | Sacramento | Four crayon portraits | $5 00 |
| Kate P. Herrick | Sacramento | Eleven oil paintings | $10 00 |
| Mrs. M. H. Payne | San Francisco | Five oil paintings | $5 00 |
| W. J. Straight | Grass Valley | One oil painting | $5 00 |
| Mrs. M. C. Boyd | San Francisco | Seven oil paintings | $5 00 |
| R. Helms | Sacramento | Exhibition of portraits in oil and pastel | Silver medal and $5 00 |
| Sacramento Art School | Sacramento | Exhibition of oil paintings and crayons | $50 00 |
| AMATEURS' GALLERY. | | | |
| Mrs. M. E. Tryon | Sacramento | Fourteen oil paintings | Silver medal and $10 00 |
| Mrs. W. G. Richardson | San Francisco | Five oil paintings | $9 00 |
| Paul Memogoena | San Francisco | Two oil paintings and one crayon | $5 00 |
| Miss Belle Hay | San Francisco | Two oil paintings | $8 00 |
| Addie L. Hughes | Sacramento | One oil painting | $3 00 |
| Mary Crouch | Sacramento | One crayon drawing | $3 00 |
| Louise Harris | Oakland | One oil painting | $5 00 |
| Mrs. S. S. Boynton | Oroville | Seven oil paintings | $8 00 |
| Miss S. J. Hopper | Sacramento | Seven oil paintings and one water color | $3 00 |
| Miss Maggie O'Toole | Freeport | Five crayon drawings | $3 00 |
| Miss Josephine Hayes | Sacramento | Three oil paintings | $3 00 |
| Miss Annie C. Pearl | Sacramento | Three oil paintings | $3 00 |
| Miss Mary Slayback | San Francisco | Three crayon drawings | $3 00 |
| Clarkson Dye | San Francisco | Two oil and water color paintings | $5 00 |
| J. R. Lafontane | San Francisco | Two oil and one crayon drawing | $8 00 |
| W. B. Sawyer | Sacramento | Four oil paintings | $5 00 |
| Mrs. M. E. Phipps | Yuba City | Two oil paintings, one crayon, and one india ink | $5 00 |
| Mary Horstmeyer | Sacramento | Three oil paintings | $3 00 |
| Louise J. Conrad | Sacramento | Four crayons and two pen and ink drawings | $3 00 |
| Mrs. H. C. Briggs | Oakland | | Special premium by Director Cox. |
| Mrs. Frank Powell | Folsom | Two oil paintings | $5 00 |
| CLASS II—PHOTOGRAPHS. | | | |
| A. O. Gregory | Sacramento | Display of photography | Silver medal and $25 00 |
| S. Boysen | Sacramento | Display of photography | $10 00 |
| I. Taber | San Francisco | Display of photography | $15 00 |
| George D. Stewart | Sacramento | Display of landscape photography | $5 00 |

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| CLASS III—ETCHINGS, INDIA INK, ETC. | | | |
| Carl Eisenschimel | San Francisco | Three specimens of pen drawing | Silver medal and $50 00 |
| Chris. Jorgensen | San Francisco | Six specimens of pen and ink drawing | $15 00 |
| John A. Stanton | San Francisco | Twelve specimens of pen and ink drawing | $25 00 |
| Oscar Deakin | San Francisco | Two specimens of pen drawing | $10 00 |
| CLASS IV—STATUARY, FRESCO, MOSAIC, ETC. | | | |
| F. Happersberger | San Francisco | Seven specimens of statuary | Silver medal and $50 00 |
| Frederick Flohr | San Francisco | Fourteen specimens of statuary | $15 00 |
| W. A. Newell | San Francisco | Three specimens of statuary | $25 00 |
| Charles Holland | Sacramento | Four specimens of statuary (in soap) | $10 00 |
| CLASS V—PENMANSHIP. | | | |
| Sacramento Business College | Sacramento | Display of penmanship | Silver medal. |
| CLASS VI—JUVENILE. | | | |
| Fred. Blanchard | Sacramento | Seven crayon drawings | $5 00 |
| CLASS VII—CALIFORNIA DRAWINGS AND DESIGNS. | | | |
| Jacob Lenzen & Son | San José | Original mechanical drawing | Silver medal. |
| Sacramento Grammar School | Sacramento | Display of drawings in pen, pencil, and water colors | Sil. medal and diploma. |

## EIGHTH DEPARTMENT.

### COUNTY EXHIBITS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| B. M. Berry | Newcastle | Placer County products | $500 00 |
| Samuel Houchins | Colusa | Colusa County products | $450 00 |
| Pomona Grange | Lodi | San Joaquin County products | $450 00 |
| J. R. Nickerson | Nevada City | Nevada County products | $450 00 |
| Chauncey Langdon | Eureka | Humboldt County products | $300 00 |
| D. G. McLean | Merced | Merced County products | $250 00 |
| B. M. Maxey | Fresno | Fresno County products | $100 00 |

## NINTH DEPARTMENT.

### MISCELLANEOUS EXHIBITS.

| Exhibitor. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| Stanton, Thomson & Co. | Sacramento | Road scraper | $3 00 |
| Fred. Rohrer | Santa Rosa | Diamond fruit pitter | $2 00 |
| J. H. H. Pound | San Francisco | The Australian patent fence wire stretcher and permanent fastener | $2 00 |
| Pacific Saw Manufacturing Co. | San Francisco | Duncan's timber jack | $2 00 |
| L. Bean | Los Gatos | Spray pump | Diploma. |
| A. Doble | San Francisco | Refined cast steel | |
| A. Doble | San Francisco | Black's diamond silver tool steel | $3 00 |
| A. Doble | San Francisco | Wright's picks and pick eyes | |
| Pacific Saw Manufacturing Co. | San Francisco | Boss wood saw | |
| Pacific Saw Manufacturing Co. | San Francisco | C. B. Paul's files | Silver medal. |
| Pacific Saw Manufacturing Co. | San Francisco | Pruning saw, adjustable blade | |
| G. G. Wickson | San Francisco | Creamery engine | $5 00 |

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|---|---|---|---|
| Judson Manufacturing Co. | San Francisco | Display of tacks | $2 00 |
| Joseph Budde | San Francisco | Golden Gate water-closet | Diploma. |
| Elijah Hickman | Red Bluff | Hickman's improved roller bolster for general use | $2 00 |
| John Herrel | Plymouth | Dried fruit renovator | $2 00 |
| W. H. Murray | San Francisco | Harvies' hot water and steam radiators | Diploma. |
| S. C. H. and Agricultural Works | Stockton | Improved shoe for combined harvester or thrashing machine | Diploma. |
| Mrs. H. Works & Co. | San José | Mansfield's capillaris | Diploma. |
| Charles Gibbons Davis | San Francisco | The Welsbach system of incandescent gas lighters | Diploma. |
| J. T. Dufau | San Francisco | Packing case and box fastener for demijohn | Diploma. |
| Hiller Drug Co. | San Francisco | Manufactured tablets | $3 00 |
| A. C. Shaw | Sacramento | One patent piano player | Diploma. |
| James Forderer | San Francisco | Skylight for roofs of buildings | Silver medal. |
| Catten, Bell & Co. | San Francisco | Little's chemical fluid | Diploma. |
| The W. H. Bone Co. | San Francisco | C. C. liniment | Diploma. |
| R. E. Gogings | Sacramento | Veterinary medical chest | $3 00 |
| Madam Lee | San Francisco | Cosmetics and manicure | Diploma. |
| Mrs. O. W. McGowan | Sacramento | One lyre of shavings flowers made of Oregon cedar | Premium recommen'd. |
| Fred. Jantzen | San Francisco | Jantzen's portable lamp | $3 00 |
| James Linforth | San Francisco | Bronze statuary and monuments | Diploma. |
| The Guittard Mfg Co. | San Francisco | Perfumery (California manufacture) | Silver medal. |
| American Bridge and Build'g Co. | San Francisco | Display of roofing slate | Diploma. |
| Dickert & Meyers | Cove Creek, Utah | Roll sulphur (sublimate and fine ground) | Diploma. |
| Asa F. Heyden | San Francisco | Gelatine relief process and photo engraving | Diploma. |
| J. Everding & Co. | San Francisco | California laundry wheaten starch | Diploma. |
| Bandmann, Neilsen & Co. | San Francisco | Giant powder Nos. 1 and 2 | Diploma. |
| Bandmann, Neilsen & Co. | San Francisco | Gelatine dynamite and dynamite gelatine | Diploma. |
| Mrs. E. A. Wilson | Temescal | Object lessons | Diploma. |
| Mrs. C. A. Blodgett | Temescal | Language lessons | Diploma. |
| Towle Bros. & Co. | Alta | Wood pulp | Diploma. |
| Margaret Leach and Edith Stone | Oakland | Object lessons | Diploma. |
| Lawrence Valerga | Temescal | Object lessons | Diploma. |
| Robert Bayley | San Francisco | Display of paper boxes | Diploma. |
| E. C. Mead & Co. | San Francisco | Silver cream powder | Silver Medal. |
| E. C. Mead & Co. | San Francisco | Display of White's pie turner | Diploma. |
| A. S. Graff | San Francisco | Display of coal oil lamps | Diploma and $2 |
| George Topping | Sacramento | Display of working model of locomotive | $3 00 |
| Mrs. Belle Quarles | Sacramento | Display of ideal embroidery (machine made) | Diploma. |
| George J. Mothersole | Chili Bar | Exhibit of roofing slate | $3 00 |
| Washington Manufacturing Co. | San Francisco | Display of Victor extracts | Diploma. |
| Stoddart Bros. | San Francisco | Damascus creme and poudre | Diploma. |
| Miss Carrie Murray | San Francisco | Display of dress stays and dress extenders | Diploma. |
| A. S. Hopkins & Bro. | Sacramento | Display of indurated fiber ware | $5 00 |
| The Leduc Improvement Co. | San Francisco | Tule life preservers | Diploma. |
| Alf. R. Kelly | San Francisco | Kelly's wood stain, all colors | $3 00 |
| John F. Cooper | Sacramento | Best display of pianos and musical goods | Premium recommen'd. |

NINTH DEPARTMENT—Continued.

| EXHIBITOR. | Address. | Articles Exhibited. | Award. |
|---|---|---|---|
| William C. Hevener | Sacramento | Best display of bicycles and tricycles | Silver medal. |
| George R. Hansbrow | Sacramento | Best design of exhibit | $50 00 |
| Mrs. Geo. C. McMullen | Sacramento | Jellies | $5 00 |
| Isaac Lea | Florin | Mission olives | $3 00 |
| Isaac Lea | Florin | Licorice root | $3 00 |
| E. F. Aiken | Sacramento | Display of squashes | $5 00 |
| P. M. Artz | Perkins | String beans | $2 00 |
| J. P. M. Perham | San Francisco | Vermont maple syrup | Diploma. |
| W. H. Murray | San Francisco | Display of maps, models, representing our State in commerce and trade, her manufactures, embracing cotton, silk, ramie, jute, and kindred resources | $30 00 |
| Harry Foster | Sacramento | Evergreen millet | $2 00 |
| C. H. Street & Co. | San Francisco | Display of California products | Diploma. |
| B. N. Bugbey | Sutter | Individual farm exhibit | Silver medal. |
| B. N. Bugbey | Sutter | One bale and six bundles of broom corn | $5 00 |
| Tom. Lovdal | Sacramento | Two bales of hops | $5 00 |
| Mrs. H. E. Parker | Penryn | Jams and jellies | $5 00 |
| G. L. Hunt | Elk Grove | Sack and sheaf of black bearded wheat | $2 00 |
| Miss Carrie Murray | San Francisco | Display of olive oil from Quito farm | Silver medal. |
| Maye Kewen | Sacramento | Jellies and jams | $3 00 |
| J. H. Burnell | San Francisco | Albion porter | Silver medal. |
| F. Whittaker & Sons | San Francisco | Exhibit of lard | $5 00 |
| M. Bates | Sacramento | Two cotton plants | $2 00 |
| Mrs. R. S. Frazee | Sacramento | Rolls (wheat bread) | $2 00 |
| Mrs. George Muddox | Sacramento | Bottled green peas, egg tomatoes, and popcorn in ear | $3 00 |
| J. R. Nickerson | Grass Valley | Cultivated grasses and grains | $5 00 |
| D. F. Fryer | Oroville | Abietine remedies | Diploma. |
| Liebenbaum Bros. | San Francisco | Saratoga (La Favre's) chips | Diploma. |
| S. N. Stranahan | Nevada | Sun dried hops | $2 00 |
| Mrs. R. S. Lockett | Perkins | Display of cotton | $2 00 |
| Chas. McCreary & Co. | Sacramento | Superfine shipping flour | Silver medal. |
| Liebenbaum Bros. | San Francisco | Plum pudding and sauce | Silver medal. |
| Mrs. Addie Carter | Sacramento | Jellies, jams, etc. | $5 00 |

## DEPARTMENT GOLD MEDALS.

### FIRST DEPARTMENT.

To R. J. Merkeley, of Sacramento, for most meritorious exhibit of horses.
To P. Peterson, of Sites, Colusa County, for most meritorious exhibit of live stock other than horses. (Herd of Durham cattle.)

### SECOND DEPARTMENT.

To Benicia Agricultural Works, for most meritorious display of agricultural machinery.

### THIRD DEPARTMENT.

To Mrs. M. H. Ober, of San Francisco, for the most meritorious display of textile fabrics. (Ladies and children's underwear and fancy goods.)

### FOURTH DEPARTMENT.

To Capital Soap Co., for the most meritorious display of mechanical products. (Display of soaps.)

### FIFTH DEPARTMENT.

To San Joaquin County, for the most meritorious display of agricultural products. (Cereals.)

### SIXTH DEPARTMENT.

To H. W. Crabb, of Oakville, Napa County, for the most meritorious display of brandies and wines.

### SEVENTH DEPARTMENT.

To E. Narjot, of San Francisco, for the most meritorious display of fine arts.

### NINTH DEPARTMENT.

To Philadelphia Brewing Co., San Francisco, for the most meritorious display in the Miscellaneous Department. (Lager beer.)

### FOR THE MOST ATTRACTIVE DISPLAY.

To Huntington, Hopkins & Co. (George R. Hansbrow, designer), the most attractive display in the Pavilion.

# SAN FRANCISCO JOURNAL OF COMMERCE SPECIAL DISPLAY OF EXHIBITS.

Although in the fair there were many exhibits worthy of mention, there were none that exceeded the really magnificent and extensive display of the "Journal of Commerce" of San Francisco. The various counters, shelving, pyramids, and tables occupied an area on the main floor near the band stand aggregating two thousand eight hundred and sixteen square feet. To give a complete description of this attractive as well as instructive exhibit would take up too much space at this time, so but a passing reference will be made.

On a wall space, forty feet long, was to be seen one of the most striking signs ever exhibited at any fair, and read "San Francisco Journal of Commerce display—Special exhibits." The monster letters represented every department of commerce—metals, grains, products, etc.—each letter being composed of a cereal or metal, the whole forming one of the most interesting things to be seen, and the crowds who constantly assembled complimented the ingenuity and enterprise of the journal.

Turning to the right, at the end of the wall-table, was found a display of varnishes in a magnificent case, as well as the materials from which they were manufactured. Above this there was an artistic oil painting, some ten by fifteen feet in size, forming an attractive feature. Heuter Bros., proprietors of the pioneer varnish works, were entitled to the credit of home-made varnishes. Then, neatly arranged, came grain exhibits, topographical maps, mineral exhibits, models in elegant cases, including the powerful Hercules dredger employed on the Panama Canal, and manufactured by the Golden Gate and Miners' Iron Works of San Francisco; and numerous other instructive and interesting articles. Near the stairway a blaze of light fell on a display of crackers, staple and fancy. Artistically arranged was the display of the Selby Smelting and Lead Company, consisting of standard cartridges, bar lead, lead pipe in cabinet, tin pipe, lead pipe, and anti-friction metal, which attracted much attention. A display of bluestone and copper was made by this company.

Arranged in the form of a triple pyramid was a fine display of Albion ale and porter, made by J. H. Burnell, of San Francisco.

A display by James Linforth, of San Francisco, consisting of roll, pulverized, and sublimed sulphur, being the product of the Dickert & Meyers Sulphur Company's mine at Cove Creek, Utah. Adjoining, Messrs. C. H. Street & Co., successors to the Immigration Association of California, made a display of California products, consisting of cotton, silk, mohair, alfalfa, California woods, etc.

A table forty feet long had a fine exhibit from the California Cotton Mills, of Oakland, which attracted a large share of attention, and which will certainly result in much benefit to the industry. The display consisted of towels and tablecloths, dressed flax, yards of cotton duck and toweling, linen sack twine, and yards of kersey.

Maps, charts, artistic designs, and a series of large photographs of California scenes and views, the latter from Taber, of San Francisco, showed

unequaled proficiency in this art. A view of San Francisco Bay, eight feet long, together with large crayon portraits of the late Charles Crocker, C. P. Huntington, Senator Stanford, and Governor Waterman, combined to form a display of great interest and excellence.

J. Gundlach, of San Francisco, filled in magnificent designs with a very creditable display of Sonoma wines and brandies. The arrangement of the exhibit was excellent, being in the center of the main hall. The Riesling of Gundlach & Co., of San Francisco, had a most palatable taste, retaining the natural flavor of the grape, showing that careful vintage had accomplished the result.

A little cottage manufactured of slate by the California Slate Company, of San Francisco, surrounded by samples, came in for its share of attention.

Exhibits of wood pulp for paper, from Towle Bros., of Alta, Sierra Nevada Mountains. An elegant display of pure Vermont maple syrup was made by J. M. P. Perham.

Francis Whittaker & Sons, Thos. Loughran & Co., agents, for lard manufactured free from cotton seed oil, attracted much attention. Little's sheep dip, in tanks covered with attractive labels, caught the eye of the sturdy stockman. Messrs. Catton, Bell & Co., of San Francisco, made this display.

The California Chemical Works, John Reynolds, proprietor, did its establishment ample justice by a complete exhibit of oil of vitriol, muriatic and nitric acids, nitric of iron, and excelsior soldering solution. Jute in various forms, sent by the management of San Quentin Prison, including bags and bagging, proved very interesting to visitors.

A display of the famous California port wine manufactured by H. Palmer, of San Francisco, came in for a large share of attention. The exhibit of potash and caustic soda from the Greenbank Alkali Works, of England, by T. W. Jackson & Co., of San Francisco, was one of the finest in the fair.

One pyramid was a display of camphor and chloral liniment by the W. H. Bone Company, of San Francisco.

Jos. F. Forderer, of San Francisco, made a fine exhibit, especially prepared for this fair, of his galvanized iron work for the ornamentation of buildings. Iron work is of short life compared to this new process. This was one of the most interesting and attractive exhibits of the fair. Olive oil from the famous Quito Olive Farm, Santa Clara County, showed California excellence in olive oil country.

Entering Machinery Hall from the main building the Pacific Saw Manufacturing Company made a fine display of saws. Their pruning saws with adjustable blades that can be turned on any angle and also can be detached and reversed if necessary—the backs being of steel always keep the blade strained properly; which together with N. W. Spalding's patent chisel bit circular saw, which had been entered for a gold medal, forms a central figure in the display, making it complete.

To the right of the main aisle of the general exhibit arranged in pyramid were a hundred varieties of bottles, flasks, etc., from the San Francisco and Pacific Glass Works. It gave evidence that the facilities of the establishment were complete, and any demand that may arise can be met by Mr. Carlton Newman.

We may follow with mention of a rare lot of samples of Pacific Coast wools, scoured and fleece wools from the firm of Christy & Wise, of San Francisco. The fiber was compared by experts, and the superiority of localities easily ascertained. A single fleece from a young sheep attracted

attention by its fineness and heavy weight, tipping the scales at sixteen pounds.

Near the electric light in Machinery Hall, a large and heavy sheet of pure Michigan copper, bearing the address of Abner Doble, was a conspicuous object. It was surrounded by blacksmith's tools and John Wright's famous Washoe picks, making a very credible display. Many a remembrance of the lively times was recalled to old time miners by the sight of those industrious looking picks as they lent their graceful curve and strong eye for the purpose of making an attractive representation.

The champion metallic wheelbarrow, as manufactured by Sims & Morris, was exhibited by them in Machinery Hall.

A very novel and excellent invention known as the double spiral spring bed, exhibited by the manufacturer, Mr. Harmon, of San Francisco. This bed is destined to have an enormous sale.

The Guittard Manufacturing Company, of San Francisco, exhibited in great abundance their famous teas, coffees, and spices, fancy chocolates, perfumes, Florida water, bay rum, etc., arranged in an attractive manner. This company had also a special brand of Chef baking powder.

G. W. Hagens, of San Francisco, had a display of sheet music.

Mr. Alf. R. Kelly, of San Francisco, had Golden West oil, Neal's carriage paints, also imperishable paint.

Mr. T. D. Doyle, of San Francisco, exhibited a clasp, and an improved beveled horseshoe nail that has much credit.

H. M. Newhall & Co., agents for Mexican Phosphate and Sulphur Company, made a good showing of guano fertilizer. Samples of this were placed in the hands of an expert to report on same.

The Giant Powder Company, of San Francisco, made an exhibit of a case filled with bottles, containing dynamite gelatine, gelatine dynamite blasting and Judson powder, Giant powder cartridges, and various other explosives.

The San Francisco Produce Exchange made a display of Standard California grain. This company shipped to Europe during 1888 over $600,000 worth, and the demand is rapidly increasing.

The Business College, conducted by Professor G. B. Barnard, of San Francisco, made a fine display of the work of the commercial school. It reflected credit on the scholars.

The exhibit of California starch and granulated soap, by J. Everding, Jr., of San Francisco. Both soap and starch are manufactured from wheat, while the former has properties for beautifying the complexion and softening the skin, which will commend it to the ladies in particular. This new product is certain to become extremely popular, and will have an immense sale.

The Leduc Tule Improvement Company exhibited a tule life preserver; also, a working model of F. A. Huntington's centrifugal roller quartz mill, thorough and complete. They have been thoroughly tested in hundreds of instances, and have never failed to perform their work.

An exhibit of zinco-relief plates was made by McCabe & Co., of San Francisco. The display was a credit to this enterprising firm.

Steam and hot water radiators, made by C. D. Harvey, of San Francisco, were exhibited in a very neat manner.

Celery, beef, and iron made a notable display.

L. H. Thomas, of Visalia, made a fine display of peaches and assorted fruits.

The model of the locomotive, "Governor Stanford," the first built on the Pacific Coast, was a great attraction, and as the old locomotive is still

doing excellent service in the yards at Sacramento, it is proof positive that the workmanship was of a superior quality, and stands the heavy usage without strain or injury.

S. P. Taylor & Co., the pioneer paper manufacturers of the Pacific Coast, exhibited a beautiful pyramid of paper, containing two tons of vari-colored paper and eagle paper bags. It proved to many visitors from the East that California can manufacture as fine paper as any State in the Union.

Tancredi Vallerga, of Temescal, exhibited a map of California. The various sections being represented by the leading product, either in metals or product; it was highly complimented.

Miss Edith Stone and Miss Margaret Leach, members of Mrs. J. O'Meara's class of the Lincoln Grammar School, of Oakland, exhibited object lessons, consisting of a map of the United States. It was handsomely arranged, faithfully representing our products, and was artistic in detail.

Mrs. Clara A. Blodgett, a teacher in the Temescal public school, exhibited language lessons from her pupils, and the display was carefully scrutinized and complimented by hundreds and thousands of visitors.

Mrs. E. A. Wilson, Principal of the Temescal School, contributed object lessons, which were exceedingly meritorious, and showed plainly artistic and skillful work.

James Gamble, of Oakland, exhibited sections of submarine cables, together with a submarine chart of the world, showing all telegraph lines, both by lands and seas.

An architectural drawing of the California Hospital for the Chronic Insane, at San José, an original mechanical drawing by Jacob Lenzen & Son, architects, San José, was awarded a medal.

The exhibit made by the "San Francisco Journal of Commerce" of the manufactures, products, and goods of California, was one of the prominent features of the fair. It was unique in design, and comprehensive in scope, and will undoubtedly be of great benefit as setting forth the resources and capabilities of the State, embracing as it does a great variety of valuable and useful articles. The display was under the charge of W. H. Murray, the Secretary of the company, to whose taste and ingenuity in arrangement of details was largely due the credit of the exhibit, and who originated the idea, and carried it to a successful issue. The forty large shields, which were so conspicuous a feature, were also designed by the same gentleman. The large and plain lettering on these shields, in a concise and well arranged manner, gave the facts desirable to be known regarding the State, its products, population, wealth, manufactures, and commerce.

# THE PROFITABLE OLIVE.

Every few days the experience of some olive grower appears in the papers. With all that can be truthfully said about the large profits from oranges, raisins, and other products, the olive will equal, if not exceed, them all, verifying the old adage that "an olive plantation is a gold mine on the surface of the earth." The "Templeton Times," San Luis Obispo County, lately gave the following in point:

"Major Utt has an olive orchard of twenty-five bearing trees, planted in orchard seven years to include 1886; the product of ten of them last year was seven hundred and fifty gallons of olives. He sold the surplus crop at 40 cents per gallon, casks furnished, for $12 per tree. Fifty gallons of average crop to the tree at twelve years from the planting of the orchard would be a low estimate, and this amount would make six and a quarter gallons of oil. Ellwood Cooper gets $10 a gallon for his oil. Increased production will lower the wholesale price to $4 per gallon, or at the lowest $25 per tree, equal to $900 per acre. Allow one half for expenses and interest on investment, and you have the net sum of $450 per acre as net profits. Mr. Loop has been offered 80 cents a gallon for all the pickles."

All authorities from one thousand years back to this day say the olive should be planted on dry soil, and needs but little water. Good cultivation is essential, as it is to success in the growth of any profitable crop.

An authority on olive growing says: "The trees grow readily from cuttings, and begin to bear in the fourth year of their permanent planting from one-year old rooted cuttings. A paying crop will be gathered on favorable soil the fifth year."

# ALFALFA AS A HORSE FEED.

B. F. Johnson writes the "New York Tribune:" "Intelligent and observant horse men tell us the California two-year old thoroughbred is, as an average, quite as well grown and as fully developed as the three-year old of our side of the mountain. This, they say, is probably owing to the mildness of the climate and a green forage all the year round, if needed, that keeps a colt growing right along. These are, no doubt, good reasons, but possibly they do not embrace all of them. Has it ever been sufficiently considered whether the feeding of alfalfa (lucerne), green and dry, may not have something to do with the rapid growth and size attained at an early age? We know there are no better pastures in the world for putting on fat and flesh than those of Kentucky; where blue grass abounds, supported by timothy and clover, red and white; and we know, too, that in spite of all these advantges, Kentucky bred stock is losing in size and weight every year, however it may gain in quality. And the same is, to a certain extent, true of the blue grass, timothy, and clover pastures of the entire blue grass region west of the Alleganies and north of the Ohio River. In view of these several facts, will it be worth while to try experiments with alfalfa and learn by actual trial whether it may not do for eastern stock what it has done for that of the Pacific Slope—given it the lead in fast and fine horses, with other kinds of stock to be heard from later on?"

In commenting on the above, the "Rural Press" says: "It will be a good thing to try it, but one need not expect to reproduce at the East all the California conditions which contribute to the rapid and magnificent development of the animal merely by growing alfalfa. The fact of the matter is that even alfalfa owes its excellence here to local climatic conditions which cannot be transplanted. Alfalfa was grown in Central New York when we were there fifteen years ago, but it was mighty poor alfalfa compared with what grows here."

# THE RAISIN INDUSTRY.

[From the "Chino Champion," San Bernardino County.]

Fresno seems to stand ahead in the quantity of raisins cured and shipped this year, but neither the soil nor climate there is better than in this valley for growing the raisin grape and making raisins. About a month ago the "San Bernardino Index" interviewed a former resident of the county, then on a visit down here, who has spent some years in Fresno, on the raisin business. While giving Fresno credit for great success honestly earned, he said:

"Yes, but it is all a mistake to credit Fresno with better facilities for growing and curing fine raisins than are possessed here, for those of this county are in nearly every respect superior. The raisin here is more delicate in flavor and richer in sugar, and Fresno vineyards do not begin to yield like those of this county."

The "Index" says: "W. T. Henderson was present at the interview, and said that his young vineyard at Highlands was doing well; that, although it was not by any means in full bearing, he had sold over seven tons of cured raisins from a little less than four acres, from which statement we infer that he received considerably over $200 an acre for the crop."

Wherever the raisin grape has been planted and properly cultivated in this county, the results have been large. Right around Chino there are many thousand acres of choice land for the profitable raisin grape.

# SPEED PROGRAMME.

## THURSDAY, SEPTEMBER 6, 1888.

### Race No 1—Trotting.

The Occident Stake. For foals of 1885. Entries closed January 1, 1886. One hundred dollars entrance; of which ten dollars must accompany nomination; fifteen dollars to be paid January 1, 1887; twenty-five dollars to be paid January 1, 1888, and fifty dollars thirty days before the race. The Occident Gold Cup of the value of four hundred dollars to be added by the society. First colt, cup and six tenths; second colt, three tenths; and third colt, one tenth of stake. Mile heats, three in five, to harness. Fourth payment was made on the following entries:

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Monteith, b. c., by Electioneer; dam, Mamie C, by imported Hercules | Palo Alto Stock Farm | Menlo Park. |
| Sol Wilkes, b. c., by Guy Wilkes; dam, Flora Langford, by Langford | Wm. Corbitt | San Francisco. |
| Redwood, b. c., by Anteeo; dam, Lou Milton, by Milton Medium | A. McFadyen | Santa Rosa. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Redwood (Donathan) | 2 | 1 | 1 | 1 |
| Sol Wilkes (Brandow) | 1 | 2 | 2 | 2 |

*Time*—2:47; 2:39½; 2:36½; 2:40½.

### Race No. 2—Trotting.

2:23 Class. Purse, one thousand two hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Thapsin, blk. g., by Berlin; dam, Lady Hubbard | W. F. Smith | Sacramento. |
| Gertrude Russell, b. f., by Electioneer; dam, Winnie, by Planet | Palo Alto Stock Farm | Menlo Park. |
| Alfred S, b. g., by Elmo; dam, Nora Marshall, by Union | H. W. Seale | San Francisco. |
| Mamie Comet, ch. m., by Nutwood; dam, by Sportsman | San Mateo Stock Farm | San Mateo. |
| Alcazar, b. c., by Sultan; dam, Minnehaha | L. J. Rose | Los Angeles. |
| Valentine, br. g., by Farrell Clay; dam, Queen | J. H. Kelly | Los Angeles. |
| Gus Wilkes, b. g., by Mambrino Wilkes; dam, by Bonner | J. A. Dustin | Oakland. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Valentine (Kelly) | 4 | 4 | 1 | 1 | 1 |
| Thapsin (W. F. Smith) | 2 | 2 | 4 | 4 | 3 |
| Gus Wilkes (Dustin) | 3 | 3 | 3 | 3 | 2 |
| Alfred S (McManus) | 1 | 1 | 2 | 2 | dis. |

*Time*—2:22; 2:21½; 2:24½; 2:24; 2:28½.

RACE No. 3—PACING.

2:30 Class. Purse, six hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ontario, blk. g., by Crown Point; dam, unknown | A. Tietjens | Sacramento. |
| Ned Winslow, blk. g., by Tom Benton; dam, by David Hill, Jr. | J. L. McCord | Sacramento. |
| Yolo Maid, b. m., by Alex Button; dam, by Dietz's St. Clair | C. R. Hoppin | Yolo. |
| Goldleaf, ch. f., by Sidney; dam, Fernleaf | Pleasanton S'tk Farm | Pleasanton. |
| Elwood, b. m., by A. W. Richmond; dam, Creighton's First, by Creighton | Hemett Stable | Los Angeles. |
| Little Doc, b. g., by Jack Hawkins; dam, unknown | F. Sequin | Tone. |
| San Diego, b. g., by Victor; dam, thoroughbred | H. C. Airhart | San Diego. |
| Cricket, b. m.; pedigree unknown | J. A. Dustin | Oakland. |

SUMMARY.

| | | | |
|---|---|---|---|
| Yolo Maid (Goldsmith) | 1 | 1 | 1 |
| San Diego (Walsh) | 2 | 2 | 3 |
| Goldleaf (McDowell) | 4 | 6 | 2 |
| Ned Winslow (McCord) | 3 | 4 | 4 |
| Elwood (Durfee) | 5 | 3 | 5 |
| Cricket (Dustin) | 6 | 5 | 6 |
| Little Doc (Ober) | 7 | 7 | 7 |

*Time*—2:19; 2:23½; 2:21¼.

FRIDAY, SEPTEMBER 7, 1888.

RACE No. 4—RUNNING.

The Introduction Stake. For two-year olds. Twenty-five dollars entrance; ten dollars forfeit; two hundred and fifty dollars added, of which fifty dollars to second; third to save stake. Winner of any two-year old race this year, to carry three pounds; of two or more, five pounds extra. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Almont, b. c., by Three Cheers; dam, Question, by Joe Hooker | W. M. Murry | Sacramento. |
| G W, b. g., by Kyrle Daly; dam, by Thad Stevens | G. W. Trahern | Stockton. |
| The Czar, ch. c., by Norfolk; dam, Marian, by Malcolm | Theo. Winters | Sacramento. |
| Barham, b. c., by Norfolk; dam, sister to Lottery | Theo. Winters | Sacramento. |
| Don José, ch. c., by Joe Hooker; dam, Countess Zeika, by Norfolk | Theo. Winters | Sacramento. |
| Bessie Shannon, b. f., by Shannon; dam, Betty Bishop | J. Reavey & Co. | Sacramento. |
| Little Phil, ch. c., by Leinster; dam, Lillie H. | T. Bally | Sacramento. |
| Duke Spencer, b. c., by Duke of Norfolk; dam, Lou Spencer | F. Depoister | Sacramento. |
| Libertiflibbet, b. f., by Bullion; dam, Fibbertigibbet | L. U. Shippee | Stockton. |
| Glencola, b. f., by Glengarry; dam, Marcola | L. U. Shippee | Stockton. |
| Lucknow, br. g., by Longfield; dam, Sweetbrier | Rancho Del Paso | Sacramento. |
| Reward, b. g., by Jim Brown; dam, Trophy | Rancho Del Paso | Sacramento. |
| Rosebug, ch. g., by Jim Brown; dam, Rosemary | Rancho Del Paso | Sacramento. |
| Joe Hoge, ch. c., by Joe Hooker; dam, Viola R. | H. I. Thornton | San Francisco. |
| Young Prince, b. c., by imported Young Prince; dam, Mercedes | C. Farnum | San Francisco. |
| Jack Pot, br. g., by Joe Hooker; dam, Lugena | Thos. G. Jones | San Francisco. |
| Futurity, br. or blk. f., by John A; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Lady Helen, b. f., by Norfolk; dam, Jessie R. | T. H. Williams | Stockton. |
| Naicho B, ch. g., by Wanderer; dam, Flower Girl | Los Angeles Stable | Los Angeles. |
| Four Aces, ch. c., by Hock Hocking; dam, Maid of the Mist | John D. Dunn | Los Angeles. |

SUMMARY.

Don José (Holloway, 115 pounds) ..... 1
Lady Helen (Hitchcock, 110 pounds) ..... 2
Duke Spencer (O'Neil, 113 pounds) ..... 3
Libbertiflibbet, Reward, and Futurity ran unplaced.

*Time*—1:17.

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RACE NO. 5—RUNNING.

California Breeders' Stake. For foals of 1885. To be run at the State Fair of 1888. Entrance, fifty dollars; twenty-five dollars forfeit, or only ten dollars if declared January 1, 1888; three hundred dollars added, of which one hundred dollars to second, and fifty dollars to third. One mile and a quarter.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gorgo (imp.), br. f., by Isonomy; dam, imported Flirt, by The Hermit | George Hearst | San Francisco. |
| Peel, b. c., by Monday; dam, Precious, by Lever | Palo Alto Stock Farm | Menlo Park. |
| Snowdrop, ch. f., by Joe Hooker; dam, Laura Winston | James Garland | Sacramento. |
| Surinam, b. c., by Joe Hooker; dam, Ada C | George Hearst | San Francisco. |
| Peregrine, ch. c., by Joe Hooker, or Jumbo; dam, Irene Harding | W. M. Murry | Sacramento. |
| Ed McGinnis, b. c., by Grinstead; dam, Jennie G | H. L. Samuels | Los Angeles. |
| Carmen, ch. f., by Wildidle; dam, Nettie Brown | Laurel Wood Stable | Santa Clara. |
| Kyrle D, b. c., by Kyrle Daly; dam, Maggie S | Laurel Wood Stable | Santa Clara. |
| Partisan, b. c., by imp. Partisan; dam, Mamie, by Specter | C. Dorsey | Oakdale. |
| Theo. Winters, ch. c., by Joe Hooker; dam, Mattie C, by Specter | Matt. Storn | San Francisco. |
| King Idle, br. c., by Wildidle; dam, Augusta E | L. H. Todhunter | Sacramento. |

SUMMARY.

Peel (Courtney, 118 pounds) ..... 1
Snowdrop (Kelly, 115 pounds) ..... 2
Carmen (Appleby, 115 pounds) ..... 3

*Time*—2:12½.

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RACE NO. 6—RUNNING.

Capital City Stake. A sweepstake for three-year olds and over, in which only non-winners in any event this year will be eligible to start. Winners of any race, entered herein, may be withdrawn without incurring a forfeit. Entrance, fifty dollars, h. f., with four hundred dollars added; of which one hundred dollars to second; third to save stake. One mile and one eighth.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J M R, ch. h. (3), by imported Kelpie; dam, by Joe Daniels | Jas. Woodburn | Sacramento. |
| Etta W, ch. m. (4), by Joe Hooker; dam, by Foster | Andy Wakeman | Elk Grove. |
| Haidee, br. m. (5), by King Alfonzo; dam, Inverness | G. W. Trahern | Stockton. |
| Daisy D, b. m. (6), by Wheatly; dam, Black Maria | B. Cockrill | Salinas. |
| Al Farrow, b. s. (3), by Connor; dam, Della Walker | M. T. Walters | Lakeview, Or. |
| Heliotrope, b. m. (3), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Leon, b. c. (3), by Leinster; dam, Ada A, by Asteriod | F. P. Lowell | Sacramento. |

RACE No. 6—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Moses B, ch. s. (3), by Leinster; dam, Aunt Jane | M. S. Bryan | Phœnix, A. T. |
| Hermes, b. s. (5), by Wayswater; dam, Herclade | L. A. Blasingame | Fresno. |
| Brutus (imp.), b. c. (3), by Macgregor; dam, imported Teardrop, by Scottish Chief | Palo Alto Stock Farm | Menlo Park. |
| Extract, br. f. (3), by Virgil; dam, Tincture | Rancho Del Paso | Sacramento. |
| Nancy, ch. f. (3), by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Mart Gibson, ch. c. (3), by Joe Hooker; dam, Jennie Gibson | B. C. Holly | Vallejo. |
| Sunday, b. g. (4), by Ironclad; dam, Nellie Shannon | Thomas Kinney | Vallejo. |
| Jack Brady, b. s. (4), by Wildidle; dam, Sour Grapes | W. F. Davis | Copperopolis. |
| Kildare, ch. g. (3), by Kyrle Daly; dam, Mistake | Thos. G. Jones | Santa Rosa. |
| Applause, b. g. (4), by Three Cheers; dam, Alice N. | Thos. G. Jones | Santa Rosa. |
| Not Idle, ch. f. (4), by Wildidle; dam, Bonanza | M. F. Tarpey | Oakland. |
| Del, bl'k g. (3), by Falsetto; dam, Mattie Severn | Los Angeles Stable | Los Angeles. |
| Nerva, ch. m. (5), by Bob Wooding; dam, Lizzie Marshall | Wm. Boots | Milpitas. |
| Valido, b. g. (5), by Bob Wooding; dam, Brown Maria | Wm. Boots | Milpitas. |
| Nabeau, b. g. (3), by Nathan Coombs; dam, Beauty | Wm. Boots | Milpitas. |
| Ledon, bl'k g. (3), by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |
| Vinco, b. g. (3), by Bob Wooding; dam, Mollie H. | Wm. Boots | Milpitas. |

SUMMARY.

Extract (Kelly, 105 pounds) ..... 1
Brutus (Slocum, 108 pounds) ..... 2
Not Idle (Appleby, 115 pounds) ..... 3

Hermes, Heliotrope, Del, Nancy, and Nabeau ran unplaced.

*Time*—1:58½.

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RACE No. 7—RUNNING.

Free purse, two hundred and fifty dollars; of which fifty dollars to second; for all ages. Winners of any race this year to carry five pounds; maidens, if three years old, allowed five pounds; if four years old, or upwards, fifteen pounds. Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Etta W, ch. m. (4), by Joe Hooker; dam, by Foster | A. Wakeman | Elk Grove. |
| Dave Douglas, b. g. (6), by Leinster; dam, Lily Simpson | G. W. Trahern | Stockton. |
| Hermes, b. s. (5), by Bayswater; dam, Herclade | L. A. Blasingame | Fresno. |
| Canny Scot, ch. s. (3), by Leinster; dam, Tibbie Dunbar | Oak Grove Stable | Sacramento. |
| Sid, br. s. (3), by imported Sidarthur; dam, Vestella | B. C. Holly | Vallejo. |
| Ledor, b. or br. g. (4), by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |

SUMMARY.

| | | |
|---|---|---|
| Canny Scot (Holloway, 108 pounds) | 1 | 1 |
| Dave Douglas (Dennison, 115 pounds) | 2 | 2 |
| Ledor (Hart, 95 pounds) | dis. | |
| Sid (O'Day, 108 pounds) | dis. | |

*Time*—1:45¼; 1:44½.

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## SATURDAY, SEPTEMBER 8, 1888.

### Race No. 8—Trotting.

Two-year old Stake. Fifty dollars entrance, of which ten dollars must accompany nomination; fifteen dollars payable July first, and remaining twenty-five dollars payable August 10, 1888; three hundred dollars added by the Society. Closed March fifteenth, with sixteen nominations. Mile heats. The following have made third payment:

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Palo Alto Belle, br. f., by Electioneer; dam, Beautiful Bells, by The Moor | Palo Alto Stock Farm | Menlo Park. |
| Sunol, b. f., by Electioneer; dam, Waxana, by General Benton | Palo Alto Stock Farm | Menlo Park. |
| Kilrain, b. c., by Hawthorne; dam, by Whipple's Hambletonian | L. U. Shippee | Stockton. |
| Vasolia, b. f., by Stamboul; dam, Inez, by The Moor | L. J. Rose | Los Angeles. |
| Margaret S, b. f., by Director; dam, May Day, by Cassius M. Clay, Jr. | Pleasanton St'k Farm | Pleasanton. |
| Fortuna, b. f., by Florida; dam, by George Wilkes | Z. E. Simmons | Lexington, Ky. |

SUMMARY.

| | | |
|---|---|---|
| Margaret S (McDowell) | 1 | 1 |
| Fortuna (Donathan) | 2 | 2 |
| Vasolia (Maben) | dis. | |
| Kilrain (Whiting) | dis. | |

*Time*—2:31¼; 2:31.

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### Race No. 9—Stallion Stake—Trotting.

The Grand Stallion Stake. Closed March first, with six nominations; five hundred dollars added for each starter up to four. Five hundred dollars entrance, of which two hundred and fifty dollars must accompany nomination; two hundred and fifty dollars payable August 1, 1888. The following have made second payment:

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Guy Wilkes, b. s., by George Wilkes; dam, Lady Bunker, by Mambrino Patchen | William Corbitt | San Francisco. |
| Woodnut, ch. s., by Nutwood; dam, Addie, by Hambletonian Chief | B. C. Holly | Vallejo. |
| Stamboul, b. s., by Sultan; dam, Fleetwing, by Hambletonian | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Woodnut (Holly) | 2 | 1 | 0 | 1 | 1 |
| Guy Wilkes (Goldsmith) | 1 | 2 | 0 | 2 | 2 |
| Stamboul (Maben) | 3 | 3 | 3 | 3 | 3 |

*Time*—2:22½; 2:16½; 2:17½; 2:19½; 2:21¾.

RACE No. 10—TROTTING.

2:30 Class. Purse, one thousand dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosie Mc, b. m., by Alex Button; dam, Rosedale | G. W. Woodard | Yolo. |
| Express, b. g., by Electioneer; dam, Esther, by Express | Palo Alto Stock Farm | Menlo Park. |
| Elector, b. s., by Electioneer; dam, Lady Babcock | O. A. Hickok | San Francisco. |
| Ha Ha, br. s., by Nephew; dam, by McCracken's Black Hawk | Houser & Soule | Stockton. |
| Ben Ali, b. g., by George M. Patchen, Jr.; dam, thoroughbred | J. A. Goldsmith | San Francisco. |
| Bonanza, ch. s., by Arthurton; dam, Sister, by John Nelson | R. Havey | San Francisco. |
| Dubec, b. g., by Sultan; dam, Madam Day | L. J. Rose | Los Angeles. |
| Franklin, blk. g., by General Reno; dam, unknown | Chas. Davis | San Francisco. |
| Victor, br. s., by Echo; dam, by Woodburn | G. A. Doherty | Crescent Mills. |
| Judge, b. g.; pedigree unknown | J. A. Dustin | Oakland. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Rosie Mc (Goldsmith) | 1 | 1 | 4 | 1 |
| Victor (Walsh) | 3 | 2 | 1 | 2 |
| Franklin (Donathan) | 2 | 3 | 2 | 3 |
| Ha Ha (Houser) | 4 | 4 | 3 | 4 |
| Bonanza (Havey) | dis. | | | |

*Time*—2:20¾; 2:23¼; 2:23½; 2:25.

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## MONDAY, SEPTEMBER 10, 1888.

RACE No. 11—RUNNING.

The Premium Stake. For all ages. Fifty dollars entrance, h. f., or only fifteen dollars if declared on or before September first, with three hundred and fifty dollars added; of which one hundred dollars to second; third to save stake. Horses that have started and not won this year, allowed five pounds; maidens, if three years old, allowed five pounds; if four years old or over, seven pounds. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Peregrine, ch. h. (3), by Jumbo or Joe Hooker; dam, Irene Harding | W. M. Murry | Sacramento. |
| Spray, ch. f. (5), by Joe Hooker; dam, Big Gun | John Clark | Sacramento. |
| Idalene Cotton, ch. f. (4), by Jim Brown; dam, Lizzie P | Maltese Villa Stables | Merced. |
| Jack Brady, b. h. (4), by Wildidle; dam, Sour Grapes | W. L. Davis | Copperopolis. |
| Blue Bonnet, ch. m. (4), by Joe Hooker; dam, Kate Carson | G. W. Trahern | Stockton. |
| Daisy D, b. m. (6), by Wheatly; dam, Black Maria | B. Cockrill | Salinas. |
| Al Farrow, b. h. (3), by Connor; dam, Della Walker | M. T. Walters | Lakeview, Or. |
| Edelweiss, b. m. (5), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Welcome, b. f. (3), by Warwick; dam, Æola | D. Hennessy | Sacramento. |
| Serpolette, ch. f. (3), by Norfolk; dam, Mattie Glenn | Owens Bros. | Fresno. |
| Johnny Grey, g. g. (aged), by Shiloh; dam, Margery | Owens Bros. | Fresno. |
| Lucifer, b. c. (3), by Hindoo; dam, by King Alfonso | Rancho Del Paso | Sacramento. |
| Extract, b. f. (3), by Virgil; dam, Tincture | Rancho Del Paso | Sacramento. |

RACE No. 11—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Nancy, ch. f. (3), by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Kildare, ch. g. (3), Kyrle Daly; dam, Mistake | T. G. Jones | Santa Rosa. |
| Applause, b. g. (4), by Three Cheers; dam, Alice N | T. G. Jones | Santa Rosa. |
| Not Idle, ch. f. (4), by Wildidle; dam, Bonanza | M. F. Tarpey | Oakland. |
| Futurity, br. or blk. f. (2), by John A; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Carmen, ch. f. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Carmelita, b. m. (4), by Hardwood; dam, by Shiloh | B. P. Hill | El Cajon. |
| Mikado, ch. g. (4), by Shiloh; dam, by Error | B. P. Hill | El Cajon. |
| Ariola, b. m. (7), by Bob Wooding; dam, Gladiola | William Boots | Milpitas. |
| Valido, b. g. (5), by Bob Wooding; dam, Brown Maria | William Boots | Milpitas. |
| Sleepy Dick, ch. g. (aged), pedigree unknown | F. M. Starkey | Stockton. |

SUMMARY.

Daisy D (Hennessy, 115 pounds) ..... 1
Not Idle (Hitchcock, 110 pounds) ..... 2
Applause (Holloway, 115 pounds) ..... 3

Sleepy Dick, Peregrine, Welcome, Al Farrow, Extract, Idalene Cotton, and Edelweiss ran unplaced.

*Time*—1:14¾.

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RACE No. 12—RUNNING.

California Annual Stake. For foals of 1886, to be run at the State Fair of 1888. One hundred dollars entrance; twenty-five dollars forfeit, or only ten dollars if declared January 1, 1888; two hundred and fifty dollars added, of which one hundred dollars to second; fifty dollars to third. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Philander, ch. c., by Wildidle; dam, Precious, by Lever | Palo Alto Stock Farm | Menlo Park. |
| Rhona, ch. c., by Flood; dam, imp. Rosetta | Palo Alto Stock Farm | Menlo Park. |
| Kenneth, b. c., by Joe Hooker; dam, Katharion | George Hearst | San Francisco. |
| Geoffrey, b. c., by Flood; dam, Glendew | Palo Alto Stock Farm | Menlo Park. |
| Flood Tide, b. c., by Flood; dam, Lady Evangeline | R. P. Ashe | San Francisco. |
| Picnic, br. f., by imp. Mr. Pickwick; dam, imp. Countess | L. U. Shippee | Stockton. |
| Ella Hill, b. f., by Wildidler; dam, Phœbe Hall | J. G. Hill | Los Angeles. |
| Hotspur, b. c., by Joe Daniels; dam, sister to Douglass | W. B. Todhunter | Sacramento. |
| Longshot, ch. c., by Duke of Norfolk; dam, by Longfellow | J. A. McBride | Sacramento. |
| Little Rose, ch. f., by Joe Hooker; dam, Rosetland | Thomas Atchison | San Francisco. |
| Sonoma, ch. f., by Longfield; dam, Carrie C | H. I. Thornton | San Francisco. |
| Regina, ch. f., by Joe Hooker; dam, Hattie Ball | H. I. Thornton | San Francisco. |
| Don José, ch. c., by Joe Hooker; dam, Countess Zeika | Theo. Winters | Sacramento. |
| The Czar, ch. c., by Norfolk; dam, Marian | Theo. Winters | Sacramento. |
| Bronco, ch. c., by Joe Hooker; dam, Laura Winston | Theo. Winters | Sacramento. |
| Telish, ch. or b. c., by Norfolk; dam, Ballinette | Theo. Winters | Sacramento. |
| Leh, b. c., by Joe Hooker; dam, Illusion | Theo. Winters | Sacramento. |
| Lady Overton, b. f., by imp. Partisan; dam, Pet | C. Dorsey | Oakdale. |

RACE No. 12—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| March Wind, b. f., by imp. Partisan; dam, Mattie | C. Dorsey | Oakdale. |
| Robin Hood, b. c., by Flood; dam, Robin Girl | W. M. Murry | Sacramento. |
| N Y M, b. c., by Shannon; dam, Demirep | W. M. Murry | Sacramento. |
| Almont, b. c., by Three Cheers; dam, Question | W. M. Murry | Sacramento. |
| Queen Daniels, b. f., by Joe Daniels; dam, Emma | John Arnett | Pleasanton. |
| Wild Oats, b. c., by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Lakme, ch. f., by John A; dam, Lottie J | Laurelwood Stables | Santa Clara. |
| Duke Spencer, b. c., by Duke of Norfolk; dam, Lou Spencer | W. H. Hobbs | San Francisco. |
| Persuasion, b. c., by Storey; dam, Occasion | C. Schlutius | Sacramento. |

NOTE.—Ecart, Scat, Ernestine, Kathlene, Freelove, declared January first, at ten dollars each.

SUMMARY.

| | |
|---|---|
| Almont (Lloyd, 110 pounds) | 1 |
| Don José (Holloway, 110 pounds) | 2 |
| Picnic (Courtney, 107 pounds) | 3 |

*Time*—1:42¾.

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RACE No. 13—RUNNING.

The La Rue Stake. Handicap for all ages. One hundred dollars entrance; fifty dollars forfeit, with five hundred dollars added, of which one hundred and fifty dollars to second; one hundred dollars to third. Weights announced September first. Declaration, twenty dollars; to be made with the Secretary by eight o'clock P. M., September third. In no event will declaration be received unless accompanied with the amount fixed. Two and one quarter miles.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dave Douglas, b. h. (6), by Leinster; dam, Lily Simpson | G. W. Trahern | Stockton. |
| Leon, b. h. (3), by Leinster; dam, Ada A | F. P. Lowell | Sacramento. |
| Moses B, ch. h. (3), by Leinster; dam, Aunt Jane | M. S. Bryan | Phœnix, A. T. |
| Hermes, b. s. (5) by Bayswater; dam, Herclade | L. A. Blasingame | Fresno. |
| Canny Scot, ch. h. (3), by Leinster; dam, Tibbie Dunbar | Oak Grove Stable | Sacramento. |
| Laura Gardner, ch. m. (4), by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara. |
| Carmen, ch. f. (3), by Wildidle; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Index, blk. g. (6), by Thad Stevens; dam, Gypsy | Wm. Boots | Milpitas. |
| Ledor, br. g. (4), by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Canny Scot (Cook; entitled weight, 104 pounds; weight, 102 pounds) | 1 |
| Index (Hart; entitled weight, 118 pounds; weight, 100 pounds) | 2 |
| Laura Gardner (Howson; entitled weight, 115 pounds; weight, 116 pounds) | 3 |

Dave Douglas, Hermes, and Leon ran unplaced.

*Time*—4:02.

RACE NO. 14—RUNNING.

Selling purse, three hundred dollars, of which fifty dollars to second; for all ages. Horses entered to be sold for one thousand five hundred dollars to carry rule weights; two pounds allowed for each one hundred dollars less, down to one thousand dollars, then one pound for each one hundred dollars less, down to five hundred dollars. Valuation to be placed on starters only, by six o'clock P. M. the day preceding the race. One mile and a sixteenth.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood, ch. g. (4), by Norfolk; dam, Ballinette | Maltese Villa Stables | Merced. |
| Etta W, ch. m. (4), by Joe Hooker; dam, by Foster | A. Wakeman | Elk Grove. |
| J M R, ch. h. (3), by imported Kelpie; dam, by Joe Daniels | J. Woodburn | Sacramento. |
| Blackstone, blk. s. (4), by Wildidle; dam, by Monday | F. Depoister | Sacramento. |
| Oro, b. s. (4), by Norfolk; dam, Golden Gate | Owens Bros. | Fresno. |
| Pickpocket, ch. h. (5), by Joe Daniels; dam, Mattie C | Robert Munroe | Oakdale. |
| Fusilade's Last, ch. f. (3), by J. W. Norton; dam, Fusilade | B. C. Holly | Vallejo. |
| Wild Oats, br. c. (2), by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Gladstone, ch. g. (4), by Reveille; dam, by Hamilton | B. P. Hill | El Cajon. |
| Adam, ch. g. (6), by Shiloh; dam, unknown | B. P. Hill | El Cajon. |
| Nerva, ch. m. (5), by Bob Wooding; dam, Lizzie Marshall | Wm. Boots | Milpitas. |

SUMMARY.

Elwood, $800 (Cook; entitled weight, 115 pounds; weight, 103 pounds) ..... 1
Oro, $500 (Howson; entitled weight, 118 pounds; weight, 103 pounds) ..... 2
Nerva, $1,000 (Hart; entitled weight, 115 pounds; weight, 105 pounds) ..... 3
Fusilade's Last at $1,000, Blackstone at $500, and Wild Oats at $2,400, ran unplaced.
*Time*—1:51.

TUESDAY, SEPTEMBER 11, 1888.

RACE NO. 15—TROTTING.

Three-year Old Stake. One hundred dollars entrance, of which twenty-five dollars must accompany nomination; twenty-five dollars payable July first; remaining fifty dollars payable August 10, 1888; $400 added. Closed March fifteenth, with nineteen nominations. The following have made third payment:

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Balkin, br. c., by Mambrino Wilkes; dam, Fanny Fern, by Jack Hawkins | Irving Ayres | Oakland. |
| Monteith, b. c., by Electioneer; dam, Mamie C, by imported Hercules | Palo Alto Stock Farm | Menlo Park. |
| Moses S, b. c., by Hawthorne; dam, by McCracken's Black Hawk | L. U. Shippee | Stockton. |
| Grandee, b. g., by Le Grand; dam, Minnie, by Arthurton | Wm. Corbitt | San Francisco. |
| Direct, blk. c., by Director; dam, Echora | Pleasanton St'k Farm | Pleasanton. |
| Memo, b. c., by Sidney; dam, Flirt | J. P. Kerr | San Francisco. |

SUMMARY.

| | | | |
|---|---|---|---|
| Grandee (Goldsmith) | 1 | 1 | 1 |
| Balkan (Hinds) | 2 | 2 | 3 |
| Direct (McDowell) | 4 | 3 | 2 |
| Moses S (Whiting) | 3 | 4 | 4 |

*Time*—2:30; 2:28½; 2:29.

RACE No. 16—TROTTING.

2:20 Class. Purse, one thousand two hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Kate Ewing, blk. m., by Berlin; dam, Lady Washington | A. Gonzales | San Francisco. |
| Woodnut, ch. h., by Nutwood; dam, Addie | B. C. Holly | Vallejo. |
| Lily Stanley, b. m., by Whippleton; dam, Dollie McMahan | N. Coombs | Napa. |
| Alfred S, b. g., by Elmo; dam, Nora Marshall | H. W. Seale | Mayfield. |
| Alcazar, b. c., by Sultan; dam, Minnehaha | L. J. Rose | Los Angeles. |
| Mt. Vernon, b. s., by Nutwood; dam, by Chieftain | M. Salsbury | Pleasanton. |

SUMMARY.

| | | | |
|---|---|---|---|
| Woodnut (Holly) | 1 | 1 | 1 |
| Lily Stanley (Hickok) | 2 | 2 | 3 |
| Mt. Vernon (McDowell) | 3 | 3 | 2 |

*Time*—2:22½; 2:22½; 2:22¾.

---

RACE No. 17—TROTTING.

3:00 Class. Purse, one thousand dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Blockade, b. g.; pedigree unknown | Marion Biggs, Jr. | Biggs. |
| Perihelion, b. h., by Admiral; dam, Flora | W. S. Ray | San Francisco. |
| Ross S, b. h., by Nutwood; dam, by State of Maine | R. S. Sargent | Lodi. |
| Economy, b. f., by Echo; dam, Lady Berkey | B. C. Holly | Vallejo. |
| Steve Whipple, br. s., by Chrisman's Hambletonian; dam, by Whipple's Hambletonian | C. E. Needham | Stockton. |
| Maggie E, br. m., by Nutwood; dam, by Geo. M. Patchen, Jr. | S. B. Emerson | Mountain View. |
| Lady Escott, ch. m.; pedigree unknown | J. A. Dustin | Oakland. |

SUMMARY.

| | | | |
|---|---|---|---|
| Maggie E (Donathan) | 1 | 1 | 1 |
| Steve Whipple (Parker) | 2 | 2 | 3 |
| Perihelion (David) | 4 | 3 | 2 |
| Ross S (Ober) | 3 | 4 | 4 |

*Time*—2:26½; 2:23; 2:30.

## WEDNESDAY, SEPTEMBER 12, 1888.

### Race No. 18—Running.

The Sunny Slope Stake. For two-year old fillies. Entrance, twenty-five dollars; fifteen dollars forfeit, or only ten dollars if declared on or before September first; two hundred dollars added, of which twenty-five dollars to second. Those that have started and not run first or second in any race this year, allowed five pounds. Five eighths of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bessie Shannon, b. f., by Shannon; dam, Bettie Bishop | J. Reavey & Co. | Sacramento. |
| Little Rose, ch. f., by Joe Hooker; dam, Rosetland | Thomas Atchison | San Francisco. |
| Picnic, br. f., by imp. Mr. Pickwick; dam, imp. Countess | L. U. Shippee | Stockton. |
| Libbertiflibbet, b. f., by Bullion; dam, Flibbertigibbet | L. U. Shippee | Stockton. |
| Glencola, b. f., by Glengarry; dam, Marcola | L. U. Shippee | Stockton. |
| Aurelia, b. f., by Wildidle; dam, Amelia, by Lowlander | Palo Alto Stock Farm | Menlo Park. |
| Faustine, b. f., by Flood; dam, imp. Flirt, by The Hermit | Palo Alto Stock Farm | Menlo Park. |
| Futurity, br. f., by John A; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Lady Helen, b. f., by Norfolk; dam, Jessie R | Thos. H. Williams | Stockton. |
| Odette, br. f., by Shiloh; dam, by Error | B. P. Hill | El Cajon. |

SUMMARY.

Faustine (Hitchcock, 107 pounds) ..... 1
Picnic (Hart, 102 pounds) ..... 2
Bessie Shannon (Lloyd, 107 pounds) ..... 3

Futurity, 102, and Libbertiflibbet, 102, ran unplaced.

*Time*—1:02¼.

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### Race No. 19—Running.

The Shafter Stake. For three-year olds. Fifty dollars entrance; twenty-five dollars forfeit, or only fifteen dollars if declared on or before September first; with four hundred dollars added; of which one hundred dollars to second; third to save stake. Winner of any race this year to carry five pounds extra; of two or more, ten pounds; maidens allowed five pounds. One mile and a quarter.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Heliotrope, b. m., by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Brutus, imp., b. c., by McGregor; dam, imp. Teardrop, by Scottish Chief | Palo Alto Stock Farm | Menlo Park. |
| Extract, br. f., by Virgil; dam, Tincture | Rancho Del Paso | Sacramento. |
| Lucifer, b. c., by Hindoo; dam, by King Alfonso | Rancho Del Paso | Sacramento. |
| Kildare, ch. g., by imp. Kyrle Daly; dam, Mistake | T. G. Jones | Santa Rosa. |
| Del, blk. g., by Falsetto; dam, Mattie Severn | Los Angeles Stable | Los Angeles. |
| Vinco, br. g., by Bob Wooding; dam, Mollie H | William Boots | Milpitas. |
| Nabeau, b. g., by Nathan Coombs; dam, Beauty | William Boots | Milpitas. |
| Ledon, blk. g., by Nathan Coombs; dam, Gypsy | William Boots | Milpitas. |

SUMMARY.

Brutus (Courtney, 113 pounds) ..... 1
Heliotrope (Carrillo, 110 pounds) ..... 2
Extract (Kelly, 120 pounds) ..... 3
Del (Hoag, 110 pounds) ..... 0
Ledon (O'Neil, 110 pounds) ..... 0
Nabeau (Hill, 110 pounds) ..... 0

*Time*—2:11.

RACE NO. 20—RUNNING.

The Del Paso Stake. For all ages. Fifty dollars entrance; twenty-five dollars forfeit, or only fifteen dollars if declared on or before September first, with three hundred dollars added; of which one hundred dollars to second; third to save stake. Three-year olds to carry one hundred pounds; four-year olds, one hundred and ten pounds; five-year olds and upwards, one hundred and twelve pounds. Sex, but not heat allowances. Three-quarter mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood, ch. g. (4), by Norfolk; dam, Ballinette | Maltese Villa Stables | Merced. |
| Jack Brady, b. h. (4), by Wildidle; dam, Sour Grapes | W. L. Davis | Copperopolis. |
| Peregrine, ch. h. (3), by Jumbo or Joe Hooker; dam, Irene Harding | W. M. Murry | Sacramento. |
| Blue Bonnet, ch. m. (4), by Joe Hooker; dam, Lily Simpson | G. W. Trahern | Stockton. |
| Daisy D, b. m. (6), by Wheatly; dam, Black Maria | B. Cockrill | Salinas. |
| Heliotrope, b. m. (3), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Welcome, br. f. (3), by Warwick; dam, Æola | D. Hennessy | Sacramento. |
| Serpolette, ch. f. (3), Norfolk; dam, Mattie Glenn | Owens Bros. | Fresno. |
| Sid, br. c. (3), Sid Arthur; dam, Vestella | B C. Holly | Vallejo. |
| Not Idle, ch. m. (4), by Wildidle; dam, Bonanza | M. F. Tarpey | Oakland. |
| Carmen, ch. f. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Carmelita, b. m. (4), by Hardwood; dam, by Shiloh | B. P. Hill | El Cajon. |
| Gladstone, ch. g. (4), by Reveille; dam, by Hamilton | B. P. Hill | El Cajon. |

SUMMARY.

| | | | |
|---|---|---|---|
| Not Idle (Hitchcock, 109 pounds) | 2 | 1 | 1 |
| Peregrine (Lloyd, 110 pounds) | 1 | 2 | 2 |
| Jack Brady (Casey, 110 pounds) | 5 | 3 | r. o. |
| Elwood (Cook, 107 pounds) | 3 | 4 | r. o. |
| Blue Bonnet (Hennessy, 107 pounds) | 4 | 5 | r. o. |

*Time*—1:15; 1:15½; 1:16.

RACE NO. 21—RUNNING.

Free purse, three hundred dollars, of which fifty dollars to second. For all ages. Horses that have started and not won at this meeting allowed ten pounds. Winners of any race at this meeting, when carrying rule weights, or more, to carry five pounds extra. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idalene Cotton, ch. f. (4), by Tim Brown; dam, Lizzie P | Maltese Villa Stables | Merced. |
| Spray, ch. f. (5), by Joe Hooker; dam, Big Gun | John Clark | Sacramento. |
| J M R, ch. h. (3), by imported Kelpie; dam, by Joe Daniels | James Woodburn | Sacramento. |
| Haidee, b. m. (5), by King Alfonzo; Inverness | G. W. Trahern | Stockton. |
| Al Farrow, b. s. (3), by Connor; dam, Della Walker | M. T. Walters | Lakeview, Or. |
| Edelweiss, br. m. (5), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Little Phil, ch. c. (2), by Leinster; dam, Lily H. | T. Bally | Sacramento. |
| Oro, b. s. (4), by Norfolk; dam, Golden Gate | Owens Bros. | Fresno. |
| Pickpocket, ch. h. (5), by Joe Daniels; dam, Mattie C, by Specter | Robert Munroe | Oakdale. |
| Fusilade's Last, ch. f. (3), by J. W. Norton; dam, Fusilade | B. C. Holly | Vallejo. |

RACE NO. 21—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sunday, b. g. (4), by Ironclad; dam, Nellie Shannon | B. C. Holly | Vallejo. |
| Futurity, blk. f. (2), by John A; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Wild Oats, b. c. (2), by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Del, blk. g. (3), by Falsetto; dam, Mattie Severn | Los Angeles Stable | Los Angeles. |
| Mikado, ch. g. (4), by Shiloh; dam, by Error | B. P. Hill | El Cajon. |
| Adam, ch. g. (6), by Shiloh; dam, unknown | B. P. Hill | El Cajon. |
| Nerva, ch. m. (5), by Bob Wooding; dam, Lizzie Marshall | Wm. Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Edelweiss (Hazlett, 105 pounds) | 1 |
| Idalene Cotton (Cook, 105 pounds) | 2 |
| Haidee (Dennison, 115 pounds) | 3 |
| J M R (Lloyd, 108 pounds) | 0 |
| Fusilade's Last, (O'Day, 95 pounds) | 0 |
| Wild Oats (Ward, 71 pounds) | 0 |
| Oro (Howson, 108 pounds) | 0 |
| Al Farrow (Sparger, 98 pounds) | 0 |
| Nerva (Hart, 105 pounds) | 0 |

*Time*—1:43¼.

## THURSDAY, SEPTEMBER 13, 1888.

SPECIAL RUNNING RACE.

Purse, two hundred and fifty dollars, of which fifty dollars to second. Horses beaten once at this meeting allowed five pounds; twice, ten pounds. Entries closed at eleven A. M. September 13, 1888. Seven eighths of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Kildare, ch. g. (3), by imp. Kyrle Daly; dam, Mistake | T. G. Jones | Santa Rosa. |
| Oro, b. s. (4), by Norfolk; dam, Golden Gate | Owens Brothers | Fresno. |
| Blue Bonnet, ch. m. (4), by Joe Hooker; dam, Lily Simpson | G. W. Trahern | Stockton. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Blue Bonnet (Dennison, 105 pounds) | 1 | 2 | 1 | |
| Kildare (Cook, 106 pounds) | 2 | 1 | 2 | |
| Oro (Howson, 107 pounds) | 3 | 3 | r. o. | |

NOTE.—After the first heat Hitchcock was by the Judges put on Kildare.

*Time*—1:30¾; 1:30; 1:32¾.

RACE No. 22—TROTTING.

2:25 Class. Purse, one thousand dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Don Tomas, blk. g., by Del Sur; dam, Vasti, by Mambrino Patchen | C. A. Durfee | Los Angeles. |
| John R, blk. g., by Startle; dam, by Belmont | F. B. Glenn | Jacinto. |
| Ha Ha, br. s., by Nephew; dam, by McCracken's Black Hawk | Houser & Soule | Stockton. |
| Allo, br. s., by Altoona; dam, Nellie, by son of Vermont Black Hawk | A. C. Davenport | Stockton. |
| Eros, br. s., by Electioneer; dam, Sontag Mohawk | La Siesta Ranch | Menlo Park. |
| Artist, blk. g., by Golddust; dam, by Dave Hill, Jr. | J. R. Hodson | Sacramento. |
| Alpheus, b. h., by Mambrino Wilkes; dam, by Major Mono | A. L. Hinds | Oakland. |
| Eva W, ch. m., by Nutwood; dam, unknown | S. C. Tryon | Sacramento. |
| Longfellow, ch. g., by Whipple's Hambletonian; dam, unknown | H. W. Seale | Mayfield. |
| Victor, b. s., by Echo; dam, by Woodburn | G. A. Doherty | Crescent Mills. |

SUMMARY.

| | | | |
|---|---|---|---|
| Victor (Doherty) | 1 | 1 | 1 |
| Don Tomas (Durfee) | 2 | 3 | 2 |
| Allo (Dustin) | 3 | 4 | 3 |
| Eva W (McConnell) | 5 | 2 | 4 |
| Alpheus (Hinds) | 6 | 5 | 5 |
| Ha Ha (Houser) | 4 | 6 | dis. |
| Artist (Shaner) | 7 | dis. | |
| John R (Johnson) | dis. | | |

*Time*—2:25½; 2:22½; 2:24½.

RACE No. 23—TROTTING.

Four-year Old Trotting Stake. Closed on March fifteenth, with twelve nominations. Four hundred dollars added. (Conditions same as No. 15.) Third payment has been made on the following:

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ella, b. f., by Electioneer; dam, Lady Ellen | Palo Alto Stock Farm | Menlo Park. |
| Carlisle, ch. c., by Piedmont; dam, Idabella | Palo Alto Stock Farm | Menlo Park. |
| Moses S, b. c., by Hawthorne; dam, by McCracken's Black Hawk | L. U. Shippee | Stockton. |
| Dubec, b. g., by Sultan; dam, by Cal. Dexter | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | |
|---|---|---|---|
| Dubec (Maben) | 1 | 1 | 1 |
| Moses S (Whiting) | 2 | 2 | 2 |

*Time*—2:28½; 2:29¾; 2:34½.

RACE No. 24—PACING.

Free for all. Purse, eight hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Belmont Boy, ch. g., by Nutwood; dam, Lady Vernon | C. S. Roberts | San José. |
| Pocahontas, ch. m., by Washington; dam, by Glencoe | S. C. Tryon | Sacramento. |
| Ned Winslow, blk. g., by Tom Benton; dam, by Dave Hill, Jr. | J. L. McCord | Sacramento. |
| Damiana, ch. g., by Admiral; dam, unknown | L. E. Clawson | San Francisco. |
| Almont Patchen, br. s., by Juanito; dam, Glady, by Gladiator | W. M. Bil ups | Colusa. |
| Bracelet, b. g., by Nephew; dam, by Mambrino | J. R. Hodson | Sacramento. |
| Elwood, b. m., by A. W. Richmond; dam, Creighton's First, by Creighton | C. A. Durfee | Los Angeles. |
| San Diego, b. g. (formerly Yolo), by Victor; dam, thoroughbred | H. C. Airhart | San Diego. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Almont Patchen (Sullivan) | 4 | 1 | 1 | 1 |
| San Diego (Walsh) | 1 | 3 | 4 | 3 |
| Belmont Boy (Bayless) | 2 | 2 | 2 | 2 |
| Ned Winslow (McCord) | 3 | 4 | 3 | 4 |
| Pocahontas (McConnell) | 7 | 6 | 5 | 5 |
| Bracelet (Donathan) | 5 | 5 | dis. | |
| Damiana (McDowell) | 6 | dis. | | |

NOTE.—Postponed after second heat, on account of darkness. Finished Sept. 14, 1888.

*Time*—2:21; 2:21; 2:22; 2:22½.

## FRIDAY, SEPTEMBER 14, 1888.

RACE No. 25—RUNNING.

The California Derby Stake. For foals of 1885, to be run at the State Fair of 1888. Entrance, one hundred dollars; fifty dollars forfeit, or only ten dollars if declared January 1, 1887; fifteen dollars if declared January 1, 1888; twenty-five dollars if declared May 1, 1888; three hundred dollars added, of which one hundred dollars to second; fifty dollars to third. One mile and a half.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Donald, g. c., by Joe Hooker; dam, Lexington Belle | J. B. Haggin | Sacramento. |
| Phantom, ch. c., by Joe Hooker; dam, Cordelia Planet | Harry Howard | San Francisco. |
| Sunset, ch. c., by King Alfonso; dam, Fashionette | W. M. Murry | Sacramento. |
| Partisan, br. c., by imported Partisan; dam, Mamie | C. Dorsey | Oakdale. |
| Troubler, br. c., by imported Partisan; dam, Partisana | C. Dorsey | Oakdale. |
| Theo. Winters, ch. c., by Joe Hooker; dam, Mattie C. | Matt. Storn | Oakland. |
| Surinam, b. c., by Joe Hooker; dam, Ada C. | Geo. Hearst | San Francisco. |
| Leon, b. c., by Leinster; dam, Addie A. | F. P. Lowell | Sacramento. |
| Canny Scot, ch. c., by Leinster; dam, Tibbie Dunbar | W. L. Pritchard | Sacramento. |
| Verona, ch. f., by Jim Gannon; dam, Lizzie P. | Phil. Siebenthaler | Sacramento. |
| Ledon, blk. g., by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |
| Vinco, b. g., by Bob Wooding; dam, Mollie H. | Wm. Boots | Milpitas. |
| Nabeau, b. g., by Nathan Coombs; dam, Beauty | Wm. Boots | Milpitas. |
| King Idle, br. c., by Wildidle; dam, Augusta E. | W. B. Todhunter | Sacramento. |
| Pocatello, ch. c., by Joe Hooker; dam, Countess Zeika | W. B. Todhunter | Sacramento. |

RACE No. 25—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Snowdrop, ch. f., by Joe Hooker; dam, Laura Winston | James Garland | Sacramento. |
| Alma E, br. f. (formerly Tricksy), by Joe Hooker; dam, Abbie W | C. H. Eldred | Sacramento. |
| Bolero, b. or br. c., by Norfolk; dam, Neapolitan | D. J. McCarty | San Francisco. |
| Emperor of Norfolk, b. c., by Norfolk; dam, Marian | E. J. Baldwin | San Francisco. |
| Coloma, ch. c., by Joe Hooker; dam, Callie Smart | W. L. Whitmore | Portland, Or. |
| Peel, b. c., by Monday; dam, Precious | Palo Alto Stock Farm | Menlo Park. |

SUMMARY.

| | |
|---|---|
| Peel (Courtney, 118 pounds) | 1 |
| Snowdrop (Kelly, 115 pounds) | 2 |
| Canny Scot (Holloway, 118 pounds) | 3 |
| Leon (Bally, 118 pounds) | 0 |

*Time*—2:38¾.

NOTE.—Peter, Jr., Ceres, declared January 1, 1887, at $10 each. General Gordon, Bruce, Winrow, Brutus, declared January 1, 1888, at $15 each. Glimpse, Kyrle D, declared May 1, 1888, at $25 each.

RACE No. 26—RUNNING.

The Palo Alto Stake. A handicap for two-year olds. Fifty dollars entrance; twenty-five dollars forfeit; ten dollars declaration; four hundred dollars added; of which one hundred dollars to second; third to save stake. Weights announced at 10 o'clock A. M., Saturday, September first. Declarations due at eight o'clock P. M., Monday, September third. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| G. W, b. g., by Kyrle Daly; dam, by Thad Stevens | G. W. Trahern | Stockton. |
| Albatross, b. g., by Pillbox; dam, Della Walker | M. T. Walters | Lakeview, Or. |
| The Czar, ch. c., by Norfolk; dam, Marian | Theo. Winters | Sacramento. |
| Barbam, b. c., by Norfolk; dam, sister to Lottery | Theo. Winters | Sacramento. |
| Don José, ch. c., by Joe Hooker; dam, Countess Zeika | Theo. Winters | Sacramento. |
| Bronco, ch. c., by Joe Hooker; dam, Laura Winston | Theo. Winters | Sacramento. |
| Bessie Shannon, b. f., by Shannon; dam, Bettie Bishop | J. Reavey & Co. | Sacramento. |
| Little Phil., ch. c., by Leinster; dam, Lily H | T. Bally | Sacramento. |
| Duke Spencer, b. c., by Duke of Norfolk; dam, Lou Spencer | F. Depoister | Sacramento. |
| Glencola, b. f., by imp. Glengary; dam, Marcola | L. U. Shippee | Stockton. |
| Picnic, br. f., by imp. Mr. Pickwick; dam, imp. Countess | L. U. Shippee | Stockton. |
| Shannon Rose, b. f., by Shannon; dam, imp. Rose, by Kisber | Palo Alto Stock Farm | Menlo Park. |
| Aurelia, b. f., by Wildidle; dam, Amelia, by Lowlander | Palo Alto Stock Farm | Menlo Park. |
| Faustine, b. f., by Flood; dam, imp. Flirt, by The Hermit | Palo Alto Stock Farm | Menlo Park. |
| Reward, b. g., by Jim Brown; dam, Trophy | Rancho del Paso | Sacramento. |
| Joe Hoge, ch. c., by Joe Hooker; dam, Viola R. | H. I. Thornton | San Francisco. |
| Young Prince, b. h., by imp. Young Prince; dam, Mercedes (dead) | | |
| Jack Pot, b. g., by Joe Hooker; dam, Mistake | T. G. Jones | Santa Rosa. |
| Wild Oats, b. c., by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Futurity, blk. f., by John A; dam, Ella Doane | W. L. Appleby | Santa Clara. |
| Naicho B, ch. g., by Wanderer; dam, Flower Girl | Los Angeles Stable | Los Angeles. |

SUMMARY.

| | |
|---|---|
| The Czar (Carrillo, 110 pounds) | 1 |
| Wild Oats (Hitchcock, 95 pounds) | 2 |
| Shannon Rose (Tompkins, 107 pounds) | 3 |
| Futurity (Murphy, 90 pounds) | 0 |
| Naicho B (Keene, 90 pounds) | 0 |
| Reward (Hart, 95 pounds) | 0 |
| Duke Spencer (Cook, 103 pounds) | 0 |

*Time*, 1:44.

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RACE NO. 27—RUNNING.

The Golden Gate Stake. For three-year olds. Fifty dollars entrance. Twenty-five dollars forfeit, or only fifteen dollars if declared on or before September first; with four hundred dollars added, of which one hundred dollars to second; third to save stake. Winner of any three-year old race at this meeting to carry five pounds extra; colts not 1, 2, 3, in No. 19, allowed ten pounds. One mile and three quarters.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sunset, ch. h., by King Alfonso; dam, Fashionette | W. M. Murry | Sacramento. |
| Moses B, ch. s., by Leinster; dam, Aunt Jane | M. S. Bryan | Phœnix, A. T. |
| Peel, b. c., by Monday; dam, Precious, by Lever | Palo Alto Stock Farm | Menlo Park. |
| Brutus (imp.), b. c., by Macgregor; dam, imp. Teardrop, by Scottish Chief | Palo Alto Stock Farm | Menlo Park. |
| Carmen, ch. f., by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Vinco, b. g., by Bob Wooding; dam, Mollie H | William Boots | Milpitas. |
| Nabeau, b. g., by Nathan Coombs; dam, Beauty | William Boots | Milpitas. |
| Ledon, blk. g., by Nathan Coombs; dam, Gypsy | William Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Moses B (Carrillo, 118 pounds) | 1 |
| Brutus (Courtney, 123 pounds) | 2 |
| Nabeau (O'Neil, 105 pounds) | 3 |

*Time*—3:08½.

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RACE NO. 28—RUNNING.

The Nighthawk Stake. For all ages. Fifty dollars entrance. Fifteen dollars forfeit; three hundred dollars added, of which one hundred dollars to second; third to save stake; two hundred dollars additional if 1:41¼ is beaten. Stake to be named after the winner if Nighthawk's time (1:42¼) is beaten. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idalene Cotton, ch. f. (4), by Jim Brown; dam, Lizzie P | Maltese Villa Stables | Merced. |
| Almont, b. h. (2), by Three Cheers; dam, Question | W. M. Murry | Sacramento. |
| Spray, ch. f. (5) (formerly Queen Kapiolana), by Joe Hooker; dam, Big Gun | J. Clark | Sacramento. |
| Jack Brady, b. h. (4), by Wildidle; dam, Sour Grapes | W. L. Davis | Sacramento. |
| Daisy D, b. m. (6), by Wheatly; dam, Black Maria | B. Cockrill | Salinas. |
| Al Farrow, b. s. (3), by Connor; dam Della Walker | M. T. Walters | Lakeview, Or. |
| Edelweiss, b. m. (5), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Welcome, br. f. (3), by Warwick; dam, Eola | D. Hennessy | Sacramento. |
| Hermes, b. s. (5), by Baywater; dam, Herclade | L. A. Blasingame | Fresno. |
| Canny Scot, ch. c. (3), by Leinster; dam, Tibbie Dunbar | Oak Grove Stables | Sacramento. |

RACE No. 28—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Leap Year, b. m. (4), by Norfolk; dam, Lady Jane | L. A. Blasingame | Fresno. |
| Brutus (imp.), b. c. (3), by Macgregor; dam, imp. Teardrop | Palo Alto Stock Farm | Menlo Park. |
| Nancy, ch. f. (3), by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Applause, b. g. (4), by Three Cheers; dam, Alice N | T. G. Jones | Oakland. |
| Carmen, ch. f. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Wild Oats, b. c. (2), by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Not Idle, ch. f. (4), by Wildidle; dam, Bonanza | M. F. Tarpey | Oakland. |
| Naicho B, ch. g. (2), by Wanderer; dam, Flower Girl | Los Angeles Stable | Los Angeles. |
| Del, blk. g. (3), by Falsetto; dam, Mattie Severn | Los Angeles Stable | Los Angeles. |
| Carmelita, b. m. (4), by Hardwood; dam, Shiloh | Al. Morine | Los Angeles. |
| Mikado, ch. g. (4), by Shiloh; dam, by Error | B. P. Hill | El Cajon. |
| John Treat, g. g. (5), by Shiloh; dam, by Norfolk | Al. Morine | Los Angeles. |
| Valido, br. g. (5), by Bob Wooding; dam, Brown Maria | William Boots | Milpitas. |
| Ariola, b. m. (5), by Bob Wooding; dam, Gladiola | William Boots | Milpitas. |
| Index, blk. g. (6), by Thad Stevens; dam, Gypsy | William Boots | Milpitas. |
| Four Aces, ch. c. (2), by Hock Hocking; dam, Maid of the Mist | John D. Dunn | Los Angeles. |

SUMMARY.

| | |
|---|---|
| Almont (Madden, 81 pounds) | 1 |
| Daisy D (Hennessy, 115 pounds) | 2 |
| Edelweiss (Hazlett, 115 pounds) | 3 |
| Idalene Cotton (Kelly, 105 pounds) | 0 |
| Not Idle (Hitchcock, 115 pounds) | 0 |
| Index (Hill, 115 pounds) | 0 |
| Welcome (Cook, 105 pounds) | 0 |
| Applause (O'Brien, 115 pounds) | 0 |
| Al Farrow (Carrillo, 108 pounds) | 0 |

Time—1:42¾.

RACE No. 29—RUNNING.

Free purse, two hundred and fifty dollars; of which fifty dollars to second. For non-winners at this meeting. Horses that have started and not run second allowed ten pounds. Winners of any race, entered herein, may be withdrawn without penalty. One mile and a sixteenth and repeat.

| Name and Pedigree of Horse. | By Whom Entered | Address. |
|---|---|---|
| Elwood, ch. f. (4), by Norfolk; dam, Ballinette | Maltese Villa Stables | Merced. |
| Etta W, ch. m. (4), by Joe Hooker; dam, by Foster | A. Wakeman | Elk Grove. |
| Dave Douglas, b. g. (6), by Leinster; dam, Lily Simpson | G. W. Trahern | Stockton. |
| Hermes, b. s. (5), by Bayswater; dam, Herclade | L. A. Blasingame | Fresno. |
| Sid, br. c. (3), by Sidarthur; dam, Vestella | B. C. Holly | Vallejo. |
| Mart Gibson, ch. c. (3), by Joe Hooker; dam, Jennie Gibson | B. C. Holly | Vallejo. |
| Kildare, ch. g. (3), by imp. Kyrle Daly; dam, Mistake | T. G. Jones | Santa Rosa. |

RACE No. 29—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Laura Gardner, ch. f. (4), by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara. |
| Carmen, ch. f. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Not Idle, ch. f. (4), by Wildidle; dam, Bonanza | M. T. Tarpey | Oakland. |
| Ledor, b. or br. g. (4), by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |

SUMMARY.

| | | |
|---|---|---|
| Laura Gardner (Hitchcock, 100 pounds) | 1 | 1 |
| Dave Douglas (Dennison, 110 pounds) | 2 | 2 |
| Mart Gibson (Richardson, 103 pounds) | dis. | |
| Sid (O'Day, 93 pounds) | dis. | |

*Time*—1:51; 1:53.

## SATURDAY, SEPTEMBER 15, 1888.

RACE No. 30—TROTTING.

Free for all. Purse, one thousand five hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lot Slocum, br. h., by Electioneer; dam, a Mohawk mare | A. Gonzales | San Francisco. |
| Arab, b. g., by Arthurton; dam, Lady Hamilton | O. A. Hickok | San Francisco. |
| Guy Wilkes, b. s., by Geo. Wilkes; dam, Bunker, by Mambrino Patchen | San Mateo Stock Farm | San Mateo. |
| Stamboul, b. s., by Sultan; dam, Fleetwing | L. J. Rose | Los Angeles. |
| Tempest, b. m., by Hawthorne; dam, by Chieftain | L. U. Shippee | Stockton. |
| Adair, b. g., by Electioneer; dam, Addie Lee | J. A. Dustin | Oakland. |

NOTE.—Declared off on account of rain, under Rule 18, National Trotting Association.

RACE No. 31—TROTTING.

2:40 Class. Purse, one thousand dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Perihelion, b. h., by Admiral; dam, Flora | W. S. Ray | San Francisco. |
| Jim Blaine, ch. g., by Oakland Boy; dam, by Flying Morrell | Raymond & Boucher | Porterville. |
| Ross S, b. h., by Nutwood; dam, by State of Maine | R. C. Sargent | Stockton. |
| Sonnet, b. f., by Bentonian; dam, Sontag Dixie, by Toronto Sontag | Palo Alto Stock Farm | Menlo Park. |
| The Dude, ch. g., by Gold Dust; dam, by Chieftain | J. R. Hodson | Sacramento. |
| Ben Ali, b. g., by Geo. M. Patchen, Jr.; dam, thoroughbred | J. A. Goldsmith | San Francisco. |
| Maggie E, br. m., by Nutwood; dam, by Geo. M. Patchen, Jr. | S. B. Emerson | Mountain View. |
| Stoneman, br. g., by Hambletonian; dam, by Reuben | C. F. Bunch | Ione. |

NOTE.—Declared off on account of rain, under Rule 18, National Trotting Association.

RACE No. 32—PACING.

Three-year old Class. Purse, three hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Adonis, b. h., by Sidney; dam, Venus | A. B. Gonzales | San Francisco. |
| Creole, blk. s., by Prompter; dam, Grace, by Buccaneer | T. C. Snider | Washington. |
| Yolo Maid, b. m., by Alex Button; dam, by Dietz's St. Clair | C. R. Hoppin | Yolo. |
| Wing Wing, b. m., by Privateer; dam, Mahaska Belle, by Flaxtail | Frank Hawkins | Woodland. |
| Gold Leaf, ch. f., by Sidney; dam, Fern Leaf | Pleasanton St'k Farm | Pleasanton. |
| Cricket, b. m. | J. A. Dustin | Oakland. |

NOTE.—Declared off on account of rain, under Rule 18, National Trotting Association.

# REPORT OF RACES.

BREEDER AND SPORTSMAN.

## FIRST DAY.

The racing programme of the California State Fair opened at Sacramento on Thursday, September sixth. The city is unusually full of people, and the weather exceedingly hot.

The first race was the Occident Stake, for which there were but two starters: Redwood, by Anteeo, and Sol Wilkes, by Guy Wilkes. Both horses were quite lame.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 6, 1888.—Occident Stake; cash to winner, $1,120.

| | | | | |
|---|---|---|---|---|
| A. McFadyen's b. s. Redwood, by Anteeo—Donathan | 2 | 1 | 1 | 1 |
| S. Solomon's b. s. Sol Wilkes, by Guy Wilkes—Brandow | 1 | 2 | 2 | 2 |

*Time*—2:47; 2:39½; 2:36½; 2:40½.

The next race was for the 2:23 class, and resulted in heavy betting at big odds—Alfred S selling for $50 against $6 for the field of Valentine, Thapsin, and Gus Wilkes. Alfred S won the first and second heats, when pool selling stopped. In the third heat Valentine won, when the pools showed $40 for Alfred S and $10 for the field. The fourth heat was stubbornly contested, but Valentine won by half a length, Alfred S tiring and quitting badly. The last heat was an exciting one, Valentine breaking so badly at the quarter that his chance for the heat looked slim. Alfred S took the lead but was collared and passed by Wilkes, who led to the half. On the turn Alfred S quit and fell behind Thapsin. Valentine was, however, fast closing up the gap, created by his breaking, and at the head of the stretch had succeeded in reaching Wilkes and Thapsin—from here he came very fast, winning by five lengths. Gus Wilkes took second money, and Thapsin third money, while Alfred S was distanced.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 6, 1888.—Purse, $1,200; 2:23 class.

| | | | | | |
|---|---|---|---|---|---|
| J. H. Kelly's b. g. Valentine—Jones | 4 | 4 | 1 | 1 | 1 |
| E. H. Miller, Jr.'s blk. g. Thapsin—Smith | 2 | 2 | 4 | 4 | 3 |
| Mr. Ayers' b. s. Gus Wilkes—Dustin | 3 | 3 | 3 | 3 | 2 |
| H. W. Seale's b. g. Alfred S—McManus | 1 | 1 | 2 | 2 | dis. |

*Time*—2:22; 2:21½; 2:24½; 2:24; 2:28½.

The chief interest of the day was in the pacing race for the 2:30 class. Gold Leaf was a great favorite, selling for $25, Yolo Maid (her first appearance) at $10, and the field of five—Cricket, San Diego, Ned Winslow, Elwood, and Little Doc—bringing $13. Goldsmith was in the sulky behind the newcomer, Yolo Maid. He went off in the lead with Gold Leaf, and it was soon seen that she could outfoot the latter, and that the others could, also. The greatest applause greeted Yolo Maid when she passed under the wire the winner of the heat in 2:19.

The second heat was an easy win also for Yolo Maid, as she won as she pleased in 2:23½. Before the start for this heat Yolo Maid sold for $100, field $32, and Gold Leaf $13.

The third heat was a wonderful exhibition of Gold Leaf's ability to stand punishment of the most severe kind. Never till the head of the stretch would she yield the lead to Yolo Maid, who had been lapped on her from the wire, but from here the Maid outfooted her, and came on and won the heat, race, and first money, in the fast time of 2:21¼; Gold Leaf third; San Diego second money; and Ned Winslow fourth money. Time, 2:21¼.

SUMMARY.

California State Fair, Sacramento, September 6, 1888.—Pacing; purse $600; 2:30 class.

| | | | |
|---|---|---|---|
| C. R. Hoppin's b. m. Yolo Maid, by Alex Button—Goldsmith | 1 | 1 | 1 |
| H. C. Airhart's b. g. San Diego—Walsh | 2 | 2 | 3 |
| Pleasanton Stock Farm's s. m. Gold Leaf—McDowell | 4 | 6 | 2 |
| J. L. McCord's b. g. Ned Winslow—McCord | 3 | 4 | 4 |
| Hemett Stable's b. m. Elwood—Durfee | 5 | 3 | 5 |
| H. Meek's b. m. Cricket—Dustin | 6 | 5 | 6 |
| F. Seguin's b. g. Little Doc—Ober | 7 | 7 | 7 |

*Time*—2:19; 2:23½; 2:21¼.

The winner, Yolo Maid, is the property of C. R. Hoppin, and is a half-sister to Rosie Mc, being by the same horse, Alex Button, out of a mare by Dietz's St. Clair. Her performance was wonderful, notwithstanding the fact that it has been beaten, and is the third time in an actual race that the world's record (2:22½) has been beaten in three weeks by California three-year olds, and while Gold Leaf holds the record (2:18), it is undisputed that in her first heat Yolo Maid could have knocked at least a second off it, as she actually jogged home in 2:19.

## SECOND DAY.

While a majority of the races at the State Fair have proved to be of the best description, some of them can fairly be classed as exciting in the highest degree. Although on the opening day the Occident only brought out two starters, the 2:23 made amends, as the favorite Alfred S met with defeat when least expected, and not only was beaten but left behind the flag in the finishing heat. This may be attributed to the serious illness which overtook him at Stockton last year, or rather a return of the malady. The 2:30 pacing brought out another great three-year old to the credit of California, three of them winners in faster time than has been shown by the class heretofore, and the fourth evidently capable of beating any other record excepting the Pacific Coast mark. The first day was given last week, the second was a racing day, and as will be seen by the following account was a good begining on the "legitimate," although the favorites made a clean sweep.

The first race was the Introduction Stake for two-year olds, a dash of three quarters of a mile. There were seven starters in the pools as follows: Don José $70, Reward $18, field $10. After several attempts at a fair start Lady Helen led off, followed by Duke Spencer, with the favorite in the bunch close behind. As they swung into the stretch Don José cut loose from the crowd and soon had the leaders in trouble and both driving hard. He came away easily and won in a gallop, Lady Helen second and Duke Spencer third. Time, 1:17.

SUMMARY.

Theo. Winters' ch. c. Don José, by Joe Hooker–Countess Zeika—Holloway, 110 ..... 1
Thomas H. Williams' b. m. Lady Helen, by Norfolk–Jessie R—Hitchcock, 107 ..... 2
F. Depoister's b. c. Duke Spencer, by Duke of Norfolk–Lou Spencer—O'Neil, 110 ..... 3
Little Phil, Libertiflibbet, Reward, and Futurity also ran.

*Time*—1:17.

The second race on the card was the California Breeders' Stake for the three-year olds, one mile and a quarter. Only three appeared, Peel selling for $100, Snowdrop for $16, and Carmen $10. At the first attempt they got away, and on passing the stand the first time Peel was two lengths in the lead of Snowdrop, with Carmen several lengths back. The race from here needs no further description, more than to say the favorite increased his lead at will, and was ten lengths ahead of Snowdrop on the upper turn, when Courtney took a pull and finished easy two lengths ahead of Snowdrop. Time, 2:12½.

SUMMARY.

Palo Alto's b. c. Peel, by Monday–Precious—Courtney, 118. ..... 1
James Garland's ch. f. Snowdrop, by Joe Hooker–Laura Winston—Kelly, 115 ..... 2
Laurelwood Stable's ch. f. Carmen, by Wildidle–Nettie Brown—Appleby ..... 3

*Time*—2:12½.

Betting—Auction pools: Peel $50, Snowdrop $8, field $5.

The next on the programme was the Capital Stake, three-year olds and over, one mile and an eighth. In the pools the talent, with rare, good judgment, selected Brutus and Extract at even money, $100 each, while the field went begging at $35.

For ten minutes the horses were paraded in Indian file with their jockeys in colors, up in front of the Grand Stand, and this new rule of the Directors met with general approbation. It gave all an opportunity to learn their colors before the race. A beautiful start was given, and on reaching the stand for the first time Not Idle led Duke Spencer, with the others well up, and all under a heavy pull. They ran bunched around the turn, with these two still leading. Up the backstretch both Extract and Brutus moved into better positions, and both looked like winners as they came into the stretch. About midway in the straight, Brutus was seen coming fast on the inside and mowing the field down like grass, until at the drawgate he was running easily a length in the lead, Extract coming fast. She was on the outside, and was hardly seen in the crowd until the last few yards, when she came with a terrific rush, and, catching Slocum, the jockey on Brutus, napping, snatched the race by a nose at the very wire. Not Idle was third. Time, 1:58½.

SUMMARY.

Rancho Del Paso's br. f. Extract, by Virgil–Tincture, 3—Kelly, 105 ..... 1
Palo Alto's b. c. imp. Brutus, by McGregor–imp. Teardrop, 3—Slocum, 108 ..... 2
M. F. Tarpey's ch. f. Not Idle, by Wildidle–Bonanza, 4—Appleby, 115 ..... 3
Heliotrope, Hermes, Nancy, Del, and Nabeau ran unplaced.

*Time*—1:58½.

Betting—Auction pools: Imp. Brutus $100, Extract $60, field $32.

The last race on the card was the free for all for a purse of $250, heats of a mile, and brought out four starters that were held as follows in the pools: Canny Scot $40 to $22 50 before the first heat. This start proved a great failure for the starter, as he sent them off with Sid and Ledor standing still, and the other two, Canny Scot and Dave Douglas, running six

lengths away. Canny Scot at once took the lead and won the heat as he pleased. Dave Douglas second, and Sid and Ledor distanced. Time, 1:45¼.

Canny Scot now sold for $50 against $8 for Douglas. Douglas led the way to the quarter, when Scot moved up, and after a brush on the back-stretch was first to the half-mile pole. Around the upper turn Douglas again made play for the lead, and the sight as they ran was like one horse to the head of the stretch. Down the straight Canny out footed Dave and reached the wire first by a length, winning the heat and race. Time, 1:44¼.

SUMMARY.

| | | | |
|---|---|---|---|
| Oak Grove Stable's ch. g. Canny Scot, by Leinster-Tibbie Dunbar, 3—Holloway, 108 | 1 | 1 | |
| G. A. Trahern's b. g. Dave Douglas, 6—Dennison, 115 | 2 | 2 | |
| Holly's Sid and Boot's Ledor | dis. | | |

*Time*—1:45¼; 1:44¼.

Betting—Auction pools: First heat—Canny Scot $40, field $27 50. Second heat—Scot $50, Douglas $8.

## THIRD DAY.

The third day was looked for with great interest in all parts of the State. Those who had the means and leisure to gratify their fondness for trotting sport resolved to witness the contests which were on the bill, and the great army compelled to stay at home anxiously awaited the reports, the first papers to contain them being seized with an eagerness which showed the anxiety felt. There was an immense crowd at the park, larger even than the most sanguine anticipated, and that they were well repaid, though the air was somewhat overheated, the accounts of the races will show. The first trotting race was a two-year-old stake, and four good youngsters put in an appearance. Two great fillies, none too high praise to award, Vesolia and Margaret S; and though Dame Fortune frowned on the handsome filly from Los Angeles in this race, she is well entitled to the rank. Fortuna is not far behind, and Kilrain has shown so well at home as to raise hopes that his time would come. Previous to the trotting match a race was run between Peregrine and Lida Ferguson, which was handily won by the colt of double paternity.

The first race was a match for $500 a side between Peregrine and Lida Ferguson, five eighths of a mile. The betting before the start was $50 on Peregrine against $16 for Lida, and although this was big odds against a mare of such reputation for short races, the backers of Peregrine proved correct in their judgment, as the horse took the lead by a length soon after the flag fell and was never headed, although Lida closed with him at the head of the stretch, but was in trouble, her rider using every effort to urge her. The horse, however, shook her off on the straight, and won by two lengths. Time, 1:01¼.

SUMMARY.

| | |
|---|---|
| A. Wakeman's ch. c. Peregrine—Lloyd | 1 |
| H. Willitt's ch. m. Lida Ferguson—Cooper | 2 |

*Time*—1:01½.

Betting—Auction pools: Peregrine $60, Lida Ferguson $16. The Paris mutuals paid $6 30.

The two-year old trot was disastrous to the favorite. Before the start for the first heat Vesolia brought $100 in the pools, Margaret S $85, Fortuna and Kilrain coupled $16. The scoring was tedious, which, without doubt, had an effect to rattle the favorite, and when the bell tapped to a fair send

off, unfortunately the clang had not stopped before Vesolia made a tangled break and fell ten lengths behind to the turn, where she made another and then a double break, and Margaret S reached the quarter first, two lengths ahead of Fortuna and ten ahead of Kilrain, with the favorite Vesola a distance out. Up the backstretch Donathan worked Fortuna up closer to Margaret S, while Kilrain was fast falling a distance behind, while Vesola, acting very badly, was clearly and hopelessly out.

Margaret S came on still in the lead of Fortuna and reached the wire first in time to have the flag drop in the faces of both Vesola and Kilrain, who had both run nearly half a mile in the vain hope of saving their distance. Time, 2:31¼.

Second Heat—Pools now sold, Margaret S $45 and Fortuna $4. Considerable delay was had in getting the horses to appear, and the judges, Messrs. La Rue, Green, and Singletary, imposed a fine of $10 each on McDowell and Donathan. This had its effect on Margaret S and she answered the call, but Fortuna still failed to materialize and was fined $10 more and given the alternative of appearing in two and a half minutes or getting fined $25 for each subsequent length of time he failed. On the second trial they got away and Margaret at once took the lead, reaching the half in 1:14¾. From here Fortuna made a brush, but broke at the three-quarter pole and fell back ten lengths, Margaret S coming home leisurely, winning the heat and race, Fortuna second. Time, 2:31.

SUMMARY.

| | | |
|---|---|---|
| Pleasanton Stock Farm's b. f. Margaret S, by Director–May Day—McDowell | 1 | 1 |
| Z. E. Simmons' b. f. Fortuna, by Florida–George Wilkes mare—Donathan | 2 | 2 |
| L. J. Rose's b. f. Vesolia, by Stamboul–Inez—Maben | dis. | |
| L. U. Shippee's b. c. Kilrain, by Hawthorne–Hambletonian | dis. | |

*Time*—2:31¼; 2:31.

The next event was—

THE GRAND STALLION STAKE.

There were two grand surprises previous to that of Saturday last, and in the whole history of trotting it would be difficult to find a parallel. When Stamboul beat Arab at Los Angeles, in 2:15, 2:17½, 2:16¾, there was a thrill from San Diego to Siskiyou, and people who had any fancy for trotters were so much surprised that they could talk of nothing else. It was thought to settle the question of supremacy, and the stallion races at Oakland and Sacramento were considered already settled. Also, the National. Unless some accident befell Stamboul, the talk was that he would make a clean sweep all through. The second surprise came when Guy Wilkes disposed of the champion, although there was an element of luck in the victory, as it was argued that had Stamboul not made the break soon after the start for the first heat was given, he would surely have won, and this was too logical to be gainsaid. The third surprise was the greatest of all. Woodnut did not show to be within several seconds of either the others at Oakland, though there were a great many who thought that Holly had taken greater pains not to play his best trumps at that stage of the game than to win, and these sharp fellows will be doubly convinced of the correctness of their views now. There is scarcely a doubt that the Los Angeles track was the fastest of the three the day that Stamboul and Arab met, though inasmuch as Arab was driven two heats between those of the stallion race in 2:16½, 2:16, the course at Sacramento could not have been far behind.

Every race has been a good one; from the standpoint excellent, as the falling off in the fourth and fifth heats at Oakland could be attributed to a lack of condition rather than to failure of stamina on the part of the contestants. This is further established by the time of the Sacramento race. It was to be expected that five heats, such as were trotted at Oakland, would better the condition of all engaged, provided the strain did not leave its mark in a wrong direction, and that subsequent work would be beneficial; and the following account proves this to be the case:

"When the call was made for the starting there was a marked excitement. Fans had been busily at work in the large assemblage, and their vibrating kept time to the music of the band. But when the horses came on the track there was such a desire to get a good look at the famous steeds that the fervor of the air was for a time forgotten, and each received an ovation as they passed in front of the stands. Pool selling was very lively. Thousands of dollars went into the box in a few minutes, and the backers of each were exceedingly eager to invest their cash. Guy Wilkes had settled into a pronounced favorite, bringing $200, Stamboul $160, Woodnut $65.

"In the lottery for positions Woodnut got the pole, Stamboul second, and Guy Wilkes outside. On the fourth score they got the word, all going fast. Just as the bell tapped Woodnut broke and slightly interfered with Stamboul, who broke, and in turn drove Guy out, and he also broke, so at the first corner all three were in the air. Guy was the first to recover, and Woodnut the next, while Stamboul made a tangled break, similar to the one he had made in the first heat at Oakland, and Guy reached the quarter first in 0:34½, four lengths in the lead of Woodnut and ten ahead of Stamboul.

"Up the backstretch Guy went fast, and reached the half in 1:10¼, having increased his lead on both the others around the turn. Woodnut moved up a little, and Goldsmith took Guy back on reaching the three-quarter pole in 1:47, and eased him all the way down the straight, coming home without making an effort, Woodnut four lengths back, and Stamboul jogging in just inside the short distance. Time, 2:22½."

Still hotter was the betting—a fight almost who should get the favorite—doubly so now at securing a first heat with so little exertion. If the backers of Guy were anxious to secure as many of the cards as their means would sanction, the supporters of Stamboul were also eager, and to $200 on Guy they responded with $130, while there were some quiet speculators ready to venture $45 on Woodnut. Neither of the contestants looked a whit the worse for the heat, and the drivers were not at all dismayed, so far as could be told from their appearance. Goldsmith had the inveterate cigar between his teeth, and when he drove past the stand the first time it was at an angle which implied satisfaction with the outlook. Holly had a twinkle in his eye, and Walter's visage, though giving token of anxiety, was not the least downcast. After a couple of scores Goldsmith's cigar dropped to a lower angle, and as Woodnut came rattling along, the weed, though of the best brand, was discarded. Eight fruitless attempts; the ninth the word was given to a good start and the pace was rapid from the first.

At the quarter, 33¾ seconds, Stamboul, who had trotted very fast on the outside, led Wilkes by a length, he the same in front of Woodnut. Here Stamboul broke, but settled quickly, and half way up the stretch he broke again, and was passed by Woodnut. At the half, 1:07½, Wilkes, who had been moving lively, led Woodnut by four lengths. Around the upper turn it was a procession, with Stamboul last. Turning into the stretch, Stamboul and Woodnut began to close on the leader, and at the rate of speed

he was coming it looked as though Stamboul would win, but the gap was too much for him to close. Not so with Woodnut, however, who kept coming, and challenged the leader at the drawgate, and after a very fine and exciting finish, which raised the spectators to a high pitch of enthusiasm, won the heat by a neck from Guy Wilkes, Stamboul third. Time, 2:16½.

There were renewed rounds of applause when the time was put on the blackboard, first and second given with only a quarter of a second between them. It proved that Woodnut had been contented to accept second place in the first heat, and when the cheering had subsided so that the voice of the auctioneer could be distinguished, the rates were: Guy Wilkes, $200; Woodnut, $110; Stamboul, $45. When "Go!" rang out from the Judge's stand there was a slight difference, so slight that it was hard to tell that either had the advantage.

At the commencement of the curve Woodnut broke, and Guy showed half a length in the front. Around the turn Stamboul and Wilkes went lapped, but at the quarter, in 0:35½, Guy led by half a length. Up the backstretch it was a beautiful sight. Guy was just ahead of Woodnut, while on the other side was Stamboul.

At the half, in 1:07½, Stamboul was level with Wilkes, and Woodnut close up. On the turn Guy again showed to the front, while Holly seemed to be taking Woodnut back. At the three quarters, in 1:43, Woodnut had closed up the four lengths lost, and on the turn all three turned into the stretch together. At the seven eighths pole Stamboul was beaten, and the struggle was left to Woodnut and Wilkes, and a grand struggle it proved. At the short distance it looked like Wilkes' heat, barring an accident; but in the last twenty yards, as in the previous heat, Woodnut came up with a wonderful burst of speed, and collared him at the wire, making a dead heat, Stamboul a close third. Time, 2.17½.

Talk of Kentucky cheers when a "blue grass" horse beats a noted competitor from some other race-horse region; tell of the hurrahs of the dwellers on the Don when they rush into battle; the thousands which joined in the acclaim, as the horses came locked to the winning score, would have to be increased to increase the volume of sound. It rolled from beneath the overhanging eaves of the stand in a mighty torrent, and was met by the tumult from the dense mass below, uniting in a tidal wave, or rather a cyclone of cheers.

Notwithstanding Woodnut had shown manifest superiority in the very last strides of the two preceding heats, the supporters of Guy still clung to his chances, the rate being $200 on him, $150 on Woodnut, while Stamboul's stock appreciated till it reached $65.

Several scores were necessary, as all three drivers were trying hard to get the best of it, if only by a nose. When the bell tapped it was to as good a send-off as could be had. At the eighth pole Woodnut made a revolution; but was in the lead at the quarter (0:35¼) by half a length from Guy, with Stamboul three lengths back.

Up the backstretch to the three eighths pole the two leaders were head and head; but at this point Guy seemed to out-trot Woodnut, as he made several bounds in the air, and fell back at the half, which was trotted by Guy in 1:09¼, three lengths ahead, Stamboul either unable to get up, or again laying up the heat. On the upper turn Guy Wilkes had opened a gap of four lengths on Woodnut, and apparently had the heat well in hand; but Holly was only pursuing his tactics of the previous heats, and began to close at the three quarters, and about the drawgate again collared Wilkes, and, after a hard driving finish, in which the whip played a lively tune

on both horses, won the heat by a head amid the maniacal yells of the delighted assemblage and the short-end buyers. Stamboul was a close third. Time, 2:19½.

With the two heats to his credit, not to mention the dead heat, it could scarcely be otherwise than that Woodnut should be the favorite. The horse had shown qualities of the highest class; his driver had demonstrated as clearly as could be that he possessed all the qualities of a number one reinsman. The prices were: Woodnut, $150; Guy, $55; and Stamboul, $6.

The fifth heat kept up the excitement to the last moment. They were sent off at the first score, Guy a head or short neck in the lead; this he did not retain, and Stamboul was the contending horse with Woodnut at the quarter in 0:34¼, a length in the lead. Stamboul made a bad break, however, and at the half, 1:10¾, Woodnut led Guy three lengths, Stamboul out of the race. Guy closed a part of the gap in coming around the turn, and he was close enough so that Holly could "carry him out" before coming into the stretch. Another grand struggle home, another game to Woodnut, which gave him the long rubber, as shown by the

SUMMARY.

California State Fair, Sacramento, September 8, 1888.—Grand Stallion Stake of $500 each; $250 forfeit; $1,500 added; six nominations.

| | | | | | |
|---|---|---|---|---|---|
| B. C. Holly's ch. s. Woodnut, by Nutwood-Addie—Holly | 2 | 1 | 0 | 1 | 1 |
| Wm. Corbitt's b. s. Guy Wilkes, by Geo. Wilkes-Lady Dunn—Goldsmith | 1 | 2 | 0 | 2 | 2 |
| L. J. Rose's b. s. Stamboul, by Sultan-Fleetwing—Maben | 3 | 3 | 3 | 3 | 3 |

*Time*—2:22½; 2:16½; 2:17½; 2:19½; 2:21¾.

Sport enough for one afternoon surely, though still more was to come, and still another favorite destined to be slaughtered. This was the 2:30 class, and five of the entries appeared at the call of the judges. These were Franklin, Rosie Mc, Victor, Ha Ha, and Bonanza. Franklin was the favorite in the pools, notwithstanding Rosie beat him at Oakland, and this was corroborative of the suspicions which that race engendered. Even after the first heat, which Rosie won in the good time of 2:20¾, and which only requires a reference to the summary to understand, Franklin brought $60 to $40 on the mare, the field $18.

The second heat was more interesting. It was a very good start, and the mare soon took a slight lead. At the quarter it was very close between Rosie and Franklin. The others strung out behind. Half way up the stretch Franklin broke, and at the half the mare led Franklin by five lengths. Around the upper turn, Victor was coming up fast and began to look dangerous, but the mare had some left and won the heat easily, Victor second, Franklin third, and Ha Ha last. Time, 2:23¾.

Rosie Mc now became an immense favorite, bringing $200 against $21 for the field. This heat proved a surprise to the talent. Sent away at the first attempt, Victor broke soon after leaving the score, but settled quickly. Rosie Mc also broke now, and Victor was first at the quarter by a length from Franklin. Up the backstretch it was a procession, Victor leading by two lengths at the half. Around the upper turn Franklin closed up, and at the three quarters it was close. Victor broke soon after heading into the stretch, but came again, and, by carrying Franklin to a break at the drawgate, won the heat by five lengths, Franklin second, Goldsmith saving Rosie Mc, when he found he could not win the heat, third, and Ha Ha fourth. Time, 2:23¾.

During the scoring for the fourth heat, the drivers persisted in coming up in opposition to the directions of the judges, and causing many false starts, until Judge La Rue fined Goldsmith and Donathan $10 each. This

proved effective, and the second attempt after the infliction of the fines, they were sent off to fair start with Ha Ha, who persisted in not coming up, left at the wire. Franklin rushed off with the lead, but was fastened on to by Rosie Mc at the quarter pole, and as he broke just before reaching the half she took the lead, and trotting easily, came on home, winning the heat, race, and first money by four lengths from Franklin, who got third money. Victor was third, and got second money. Time, 2:25.

SUMMARY.

| | | | | |
|---|---|---|---|---|
| J. A. Goldsmith's b. m. Rosie Mc, by Alex Button-Rosedale—Goldsmith | 1 | 1 | 4 | 1 |
| G. A. Doherty's br. s. Victor, by Echo-Woodburn—Walsh | 3 | 2 | 1 | 2 |
| Charles Davis' br. g. Franklin—Donathan | 2 | 3 | 2 | 3 |
| Houser & Soule's br. s. Ha Ha—Soule | 4 | 4 | 3 | 4 |
| R. Havey's s. s. Bonanza—Havey | dis. | | | |

*Time*—2:20¾; 2:23¼; 2:23½; 2:25.

## FOURTH DAY.

Monday was the second racing day, and those who grumbled over the sport of the afternoon could only be incited by losses which were larger than the pleasure returned. The sun glowed with rather too much fervor, and the air, heated to a glowing red, did its part in sweating biped and quadruped; nevertheless by far the largest attendance ever witnessed on a Monday of Fair week was present. Estimates ran as high as twelve thousand, and none of the expert estimaters placed it lower than ten thousand. The first race on the card was the Premium Stake, so named after a fast mare which won it a few years ago. It is a sort of compromise between short stock and those with extended genealogies, though the blue-bloods have had the best of it as a rule.

High betting. The highest of the high rollers appear to prefer these short dashes for an investment, and this was not an exception. When "sold out" the rank was Peregrine $100, Sleepy Dick $48, Extract $48, Daisy D $28, Idalene Cotton $20, Edelweiss $24, Al Farrow $20, Applause $16, Not Idle $12, Welcome $8. Too cumbersome, however, too many tickets to write, too much time wasted, so that the regular business settled at the course to $60 on Peregrine, Sleepy Dick $38, Extract $20, all the others massed in the field $50.

With so large a field it was to be expected that some trouble would be had in getting a good start, Al Farrow going so far as to jump over the inside fence with all the vim of a veteran steeplechaser, but when the flags fell it was to a very fair start. Difficult to say which had the best of it; impossible in the jumble of horses and colors to place the leaders as they dashed along the backstretch and swept around the turn. Coming home it was seen that Daisy D had an advantage, and this she maintained to the wire, though not far behind came Not Idle second, and Applause third.

SUMMARY.

California State Fair, Sacramento, September 10, 1888.—Premium Stake; $350 added; $100 to second, third to save stake. Three quarters of a mile.

| | |
|---|---|
| B. Cockrill's b. m. Daisy D, by Wheatly-Black Maria, 6—Hennessy, 115 | 1 |
| M. F. Tarpey's s. m. Not Idle, 4—Hitchcock, 115 | 2 |
| T. G. Jones' b. g. Applause, 4—Ross, 115 | 3 |

Peregrine, Idalene Cotton, Al Farrow, Edelweiss, Welcome, Extract, and Sleepy Dick ran unplaced.

*Time*—1:14¾.

Betting—Auction pools: Peregrine $60, field $50, Sleepy Dick $38, Extract $20. Paris mutuals paid, straight, $12 95; place, $32 50.

The short end had gained the first game, and those who had backed Daisy D for a place made a clear profit of $27 50 for $5 invested. This stimulated betting in the next race, the California Annual Stake, for foals of 1886, one mile. There were three starters, Picnic, Don José, and Almont. Don José was a large favorite in the pools, bringing $200 to $65 for Almont and $50 for Picnic. And heaps of coin and bundles of notes went into the *pro tempore* bank, the pool box.

The horses had a good send off. Almont led to the quarter, Don José a length behind and a length in the rear of Picnic. At the three eighths pole Don José began to crawl up and soon took second place from Picnic. At the three quarters Don José came alongside of Almont, but the Three Cheers colt was too speedy for the Joe Hooker, and he won by a length in the fast time of 1:42¾, Don José second, Picnic third.

SUMMARY.

California State Fair, Sacramento, September 10, 1888.—California Annual Stake, for foals of 1886; $100 entrance; $25 forfeit; twenty-seven entries and three starters; $250 added.

| | |
|---|---|
| W. M. Murry's b. c. Almont, by Three Cheers–Question, 2—Lloyd, 110 | 1 |
| Theo. Winters' ch. c. Don José, 2—Holloway, 110 | 2 |
| L. U. Shippee's b. f. Picnic, 2—Courtney, 107 | 3 |

*Time*—1:42¾.

Betting—Auction pools: Don José $140, Almont $50, Picnic $25. Paris mutuals paid, straight, $25 60.

Jubilant the short-enders, gloomy the faces of those who pin their faith on favorites, and some of the biggest losers were fain to use higher stimulants to raise their spirits, and whatever it was the effects were visible in the plunge to get even on the La Rue. Not so pronounced a favorite as Don José, yet Laura Gardner had the call, backers apparently losing sight of the hard races ran since the opening of the Los Angeles Fair. Canny Scot pressed her for pride of place and that he should have been awarded still stronger support was not only justified by the outcome, but prognosticated by his race at the spring meeting, and recovery of form as shown in the race of Friday.

Six more placed in charge of the starter and sold in the pools as follows: Laura Gardner $70, Canny Scot $65, the field of Dave Douglas, Leon, Hermes, and Index, $100. This was a beautiful race. On the fall of the flag to a splendid start the horses ran to the stand the first time, with Leon first, followed by Hermes, Laura Gardner, Index, Canny Scot, and Douglas, in the order named. The positions were changed at different posts, with the exception of Leon, who still led at the end of the mile and a quarter, with Gardner second and close up, Index third, Hermes fourth, Canny Scot fifth, and Dave Douglas last. Leon held the lead to the mile and three quarters post, where he was challenged for the lead by Laura Gardner, and the two lapped around the turn and into the stretch. Then Index moved up; Canny Scot bettered his position, and coming very fast was soon in the lead, and came away and won as he pleased by two lengths, amid the loud yells and cheers of the short-end buyers, who again won big money with little risk. Index was second, Laura Gardner third, Hermes fourth, Leon fifth, and Dave Douglas sixth. Time, 4:02.

SUMMARY.

California State Fair, Sacramento, September 10, 1888.—The La Rue Stake, a handicap for all ages; entrance, $100; $50 dollars forfeit; with $500 added, of which $150 to second horse, $100 to third; dash of two and one quarter miles. There were nine nominations and six starters.

Oak Grove Stables ch. c. Canny Scot, by Leinster-Tibbie Dunbar, 3—Cook, 104 ..... 1
William Boots' blk. g. Index, by Thad Stevens-Gypsy, 6—Hart, 115 ..... 2
W. L. Appleby's s. m. Laura Gardner, by Jim Brown-Avail, 4—Howson, 115 ..... 3
Dave Douglas, Leon, and Hermes ran unplaced.

*Time*—4:02.

Betting—Auction pools: Laura Gardner $70, Canny Scot $65, field $100. Paris mutuals aid, straight, $22 25; place, $10 75.

The closing race of the day was a selling purse of $300 for all ages, and the prices fixed apportioned the weights as they are given in the summary. Six horses faced the flag, and rated in the pools as follows: Elwood $50, Nerva $22 50, and the field, Blackstone, Oro, Fusilade's Last, and Wild Oats, at $37 50. Fusilade's Last cut out the running and led to the half mile post, closely followed by Elwood under a strong pull, with Oro next and the others well bunched. At the three-quarter pole Elwood showed in front, with Wild Oats and Nerva red hot after him. Down the straight he came fast and true, and increased his lead to the wire three lengths, Oro second, and Nerva third. Time, 1:51.

SUMMARY.

California State Fair, Sacramento, September 10, 1888.—Selling purse, $300; for all ages; one and a sixteenth miles.

R. Porter Ashe's ch. g. Elwood, by Norfolk-Ballinette, 4—Cook, 115 ..... 1
Owen Bros.' b. s. Oro, 4—Howson, 118 ..... 2
William Boots' ch. m. Nerva, 5—Hart, 115 ..... 3
Blackstone, Fusilade's Last, and Wild Oats ran unplaced.

*Time*—1:51.

Betting—Auction pools: Elwood $50, Nerva $32 50, field $37 50. Paris mutuals paid, straight, $15 25; place, $8 40.

## FIFTH DAY.

Tuesday was one of the trotting days which rarely occur, that being three races with "probable winners" nearly beyond the range of probability taking place in the ranks which are made up of certainties, and without a "broken heat" to relieve the monotony.

Despite the thermometer—nearly 102 in the shade, ever so much hotter in the sun—and a poor prospect for anything like contests, there was a good attendance.

The first race was a stake for three-year olds, and the always victorious Grandee was the favorite at $50, to $10 on Direct, and $3 on Balkan and Moses S coupled. Direct was manifestly out of order, and all that is necessary is to give the placing and time, as follows:

SUMMARY.

California State Fair, Sacramento, September 11, 1888.—Three-year old stake; mile heats, best three in five.

| | | | |
|---|---|---|---|
| Wm. Corbitt's b. g. Grandee, by Le Grand-Norma, by Arthurton—Goldsmith ..... | 1 | 1 | 1 |
| Irving Ayres' br. c. Balkan, by Mambrino Wilkes-Fanny Fern—Hinds ..... | 2 | 2 | 3 |
| Pleasanton Stock Farm's blk. c. Direct, by Director-Echora—McDowell ..... | 4 | 3 | 2 |
| L. U. Shippee's b. c. Moses S, by Hawthorne-by Cramer's Black Hawk—Whiting. | 3 | 4 | 4 |

*Time*—2:30; 2:28½; 2:29.

The 2:20 race, with Woodnut in it, could only be a question of accident if he were defeated. Two good ones against him at that, but after his grand victory in The Grand what was to get near him? Holly kept him in their company, however, and those who were not aware that the contiguity was on sufferance were gratified with quite a pretty race.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 11, 1888.—Purse, $1,200; 2:20 class; mile heats, best three in five.

| | | | |
|---|---|---|---|
| B. C. Holly's ch. s. Woodnut—Holly | 1 | 1 | 1 |
| N. Coombs' b. m. Lillie Stanley—Hickok | 2 | 2 | 3 |
| M. Salisbury's b. s. Mount Vernon—McDowell | 3 | 3 | 2 |

*Time*—2:22½; 2:22½; 2:22¾.

The 2:30 was just as great a moral certainty for Maggie E as the others had been for Grandee and Woodnut. Pools sold on second place, and for that Whipple was the favorite at $20, Ross S and Perihelion bringing $6 each. The first heat Maggie E at once took the lead, followed by Whipple, with Ross third and Perihelion last. These positions were maintained from start to finish, Maggie jogging home an easy winner of the heat. Time, 2:26¾. In the second heat on the third attempt they got the word, and on the turn Whipple assumed the lead, with Perihelion second and Maggie third, about ten lengths back. Whipple held the lead to the head of the stretch, where Maggie began to close up, and down the stretch she came away and won as she pleased; Whipple second, Perihelion third, Ross fourth. Time, 2:23. In the last heat Maggie E at once opened a big gap, and in trying to close it Whipple made a stand-still break and fell a distance out. Down the stretch, however, Donathan slowed the mare up and allowed him to save both his distance, second money, and the place bets. Perihelion was second, and Ross S last. Time, 2:30.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 11, 1888.—Purse, $1,000; 2:30 class; mile heats, three in five.

| | | | |
|---|---|---|---|
| Maggie E, b. m.—Donathan | 1 | 1 | 1 |
| Steve Whipple, b. s.—Parker | 2 | 2 | 3 |
| Perihelion, b. s.—McDowell | 4 | 3 | 2 |
| Ross S, b. s.—Ober | 3 | 4 | 4 |

*Time*—2:26½; 2:23; 2:30.

## SIXTH DAY.

The weather on Wednesday was a great improvement on that of former days. It may have been that the time-honored clerk, who is popularly supposed to apportion hot and cold, wet and dry, accordingly, as he wills, has a fondness for racing, and led him to favor the third day of the gallopers. None the less grateful were the recipients—those with trotting inclinations hoping that the same courtesy would be extended to the harness division when their innings were called.

Four races to be decided, and, as will be learned from the report, capital races they proved to be. Speculation was brisk on all of them, in some the betting was heavy.

The first was the Sunny Slope Stake, a dash of five eighths of a mile, for two-year old fillies. The horses that had started and not won first or second place in any race this year were allowed five pounds.

The starters were Bessie Shannon, Picnic, and Libertiflibbet of Shippee's stables, Palo Alto's Faustine, and Appleby's Futurity, by John A. Although Haggin had three horses in the nominations, none of them started. In the pools, Shippee's stable was the choice at $50, Faustine selling nearly even, and the field at $13. The betting was very lively, and the auctioneers were kept busy until the very moment the word was given.

Bessie Shannon cut out the pace to the three quarters, with Futurity second. At the seven eighths the horses were well bunched, but at this point the Palo Alto filly left the crowd, and Picnic followed after. Down the stretch it was impossible to tell which of the two was ahead, and the crowd cheered the game efforts of the plucky colts. About one hundred yards from the wire Faustine pulled away and won by a short length, after a very fine finish, Picnic second, and Bessie Shannon third. Time, 1:02¼.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 12, 1888.—Sunny Slope Stake, five eighths of a mile, for two-year olds.

Palo Alto's b. f. Faustine, by Flood-imp. Flirt, 2—Hitchcock, 107 ..... 1
L. U. Shippee's br. f. Picnic, by imp. Mr. Pickwick-imp. Countess, 2—Hart, 102 ..... 2
J. Reavey & Co.'s b. f. Bessie Shannon, by Shannon-Bettie Bishop, 2—Lloyd, 107 ..... 3
Libertiflibbet and Futurity ran unplaced.

*Time*—1:02¼.

The "big betters" usually fancy favorites. In fact, the amount of money to be put on is what gives the premiership. Therefore, this class were ready to throw in their winnings at a lively rate when they had settled that the McGregor colt should hold the position.

The Shafter Stake, a dash of one mile and a quarter, for three-year olds, was the second event of the programme. The horses that had won in races this year carried five pounds extra.

There were nine nominations. A rush was made for the poolbox before the race, and excited bidding sent Palo Alto's McGregor colt up to $120, $75 for Haggin's Extract, and $30 for the field, in which were the Los Angeles stable's Del, William Boot's Ledor and Nabeau, and Mrs. Wolfskill's Joe Hooker filly, Heliotrope.

Ledor behaved badly, and persisted in taking the bit in his teeth and having things his own way, so that a dozen attempts were made before the horses got away. When, finally, starter Crittenden dropped the flag, all the horses had an even chance. Ledor led at the start, and began at once to gratify his propensity for running, as shown so unpleasantly before the start. Haggin's filly kept close to him, and at the quarter the handsome McGregor colt swept past both them. Brutus never lost his advantage, and won easily from Heliotrope, Extract third, and the others not placed. Time, 2:11.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 12, 1888.—Shafter Stake, for three-year olds, one and a quarter miles.

Palo Alto Stock Farm's b. c. imp. Brutus, by McGregor-imp. Teardrop, 3—Courtney, 113 ..... 1
Mrs. S. B. Wolfskill's b. m. Heliotrope, by Joe Hooker-Yolone, 3—Carrillo, 115 ..... 2
J. B. Haggin's br. f. Extract, by Virgil-Tincture, 3—Kelly, 115 ..... 3
Del, Nabeau, and Ledor ran unplaced.

*Time*—2:11.

Betting—Auction pools: Brutus $80, Extract $60, field $20. Paris mutuals paid $8 35.

So far backing the favorite had been a profitable investment, and when Peregrine was installed as dux in his class there was a rush to secure him at nearly twice as much as all the others brought. His victory over Lida Ferguson in fast time for the distance, five furlongs, was an augury that the added furlong would not stop him. Still, there were many who felt confident that Not Idle would make a good return, and stood by her with confidence.

The race is called the Del Paso Stake, for all ages; three-year olds to carry one hundred pounds, four years one hundred and ten, five years and upward one hundred and twelve; three quarters of a mile.

There were twelve nominations, but only five starters: Porter Ashe's Elwood, Jack Brady, Peregrine, Blue Bonnet, and Not Idle. The betting was very heavy, with Peregrine the favorite at $70, to $35 for Not Idle, and $13 for the field.

There was a good start. Not Idle pushed ahead and held the lead to the half, and was there overtaken by the favorite, Elwood only a length behind. It was a pretty race to the seven eighths, where Peregrine, by sheer force of superior speed, passed Not Idle. This seemed to discourage her and she slackened her speed, giving the heat to Peregrine, Not Idle second, Elwood third. Time, 1:15.

It was the belief of everybody that Peregrine's advantage of ten pounds in weight insured him the race, and before the second heat he sold for $50 to $12 for the field, and his backers did not stake more on him only because they had no time before the second heat was called. The talent went in heavily on the favorite, and when they could get no more bets in the pool-box they went about bantering for wagers among the crowd.

It was nearly half an hour before Crittenden could bring the horses up for a square start. When at last he succeeded Not Idle went forward like a shot, Blue Bonnet and Jack Brady working together close at her heels. Elwood was a good third, and the favorite dismayed his friends by lagging along two open lengths behind, but the fine little gelding was only resting, for at the half he had overhauled all but Not Idle and got within one length of her. That was all he could do, however, for, although he struggled gallantly and ran true as a line, Not Idle beat him in; Peregrine second. Time, 1:15½.

For the third heat only Not Idle and Peregrine could start, the other horses being excluded under the rules. The talent saw their mistake in pinning their faith to Peregrine, and there was a rush to buy Not Idle, and $75 was offered for her to $55 for Peregrine.

On the start the latter took a short lead, followed closely by Not Idle, but at the half Not Idle had closed the gap, and then for a quarter of a mile it was a splendid contest, the horses running so evenly that no one could see a shade's difference in their noses. On the turn the three-year old gave up, and Not Idle found it easy to win in 1:16 by half a dozen lengths, which the vigorous use of the whip did not help Peregrine to reduce. This heat finished the finest running race of the Fair thus far, and Not Idle received warm plaudits for her famous victory.

SUMMARY.

California State Fair, Sacramento, September 12, 1888.—Del Paso Stake; heats of three quarters of a mile.

| | | | |
|---|---|---|---|
| M. F. Tarpey's ch. f. Not Idle, by Wildidle-Bonanza, 4—Hitchcock, 109 | 2 | 1 | 1 |
| W. M. Murry's ch. g. Peregrine, by Joe Hooker-Irene Harding, 3—Lloyd, 110 | 1 | 2 | 2 |

Elwood, Jack Brady and Blue Bonnet ran unplaced.

*Time*—1:15; 1:15½; 1:16.

Betting—Auction pools: First heat—Peregrine $50, Not Idle $37, field $15. Second heat—Peregrine $50, field $12. Third heat—Not Idle $60, Peregrine $32 50. Paris pools paid: Not Idle, straight, $14 25; place, $5 50.

Two for the favorites and one for the second choice was the ruling for the day so far, and now the turn of the field was to come. Such a big inclosure, however, that seven of the nine starters were within its bounds, though the two not included were held worth more than the success.

The last race was a free purse. Horses that have started and not won at this meeting allowed ten pounds, while winners, carrying rule weights, were required to carry five pounds extra.

Out of the seventeen nominations nine started: Edelweiss, Ashe's Idalene Cotton, Haidee, J M R, Fusilade's Last, Wild Oats, Oro, Al Farrow, and Nerva. Idalene Cotton brought $40 in the pools against $60 for the field and $32 for Al Farrow. At the first quarter Edelweiss was ahead, with Idalene Cotton second. The horses held this position all the way around, Edelweiss winning, Idalene Cotton second, and Haidee third. Time, 1:43¼.

SUMMARY.

California State Fair, Sacramento, September 12, 1888.—Free purse, $300; one mile; for all ages.

| | |
|---|---|
| Mrs. S. B. Wolfskill's br. m. Edelweiss—Hazlett | 1 |
| R. P. Ashe's b. f. Idalene Cotton—Kelly | 2 |
| D. Dennison's b. f. Haidee—Dennison | 3 |

Oro, Fusilade's Last, Al Farrow, Spray, Nerva, J M R, and Wild Oats ran unplaced.

*Time*—1:43¼.

## SEVENTH DAY.

There have been so many grand events in connection with the State Fair that the repetition of the adjections may appear tiresome, but to pass over the grand weather of Thursday would be an omission not justifiable from any point of view. The "heated spell broke," and if it had run short a couple of weeks ago there would have been delight at the misfortune. The attendance was good and the track in fine condition.

In the first race, a special free purse, seven eighths of a mile and repeat, there were three entries. Kildare was a strong favorite, but was pulled to Blue Bonnet, who took the lead and was never headed, with Kildare a length back, and his mouth wide open and his head nearly pulled off. Oro was third. Time, 1:30¾. The judges very justly dismounted Cook, the rider of Kildare, and put up Hitchcock. The pools now sold Kildare $30, Blue Bonnet $12, and Oro $8.

In the second heat Kildare went off at once in the lead and was never headed, and under Hitchcock's riding won the heat easily from Blue Bonnet by two lengths, Oro third. Time, 1:30.

Blue Bonnet made a runaway heat and took the lead from the first hundred yards, and finished an easy winner of the heat and race by two lengths. Time, 1:32¾.

The 2:25 brought out eight very good horses, but the somewhat sensational stallion Victor so far outranked the others that the greatest interest was centered in him. In the pools Victor brought $120, Don Tomas $60, and the field $40. A good send off was had on the fourth trial and Don Tomas was first to the quarter, two lengths ahead of Victor, with the others in a bunch. These positions were unchanged until the head of the stretch, when Victor took the lead with all the ease imaginable and won the heat by five lengths from Don Tomas, amid the wildest excitement and yelling. The others finished as per summary. Time, 2:25½.

The second and third heats were taken by Victor with the greatest ease, distancing Artist in the second and Ha Ha in the third heat, and the band playing "One More River to Cross." Time, 2:22½ and 2:24½.

SUMMARY.

California State Fair, Sacramento, September 13, 1888.—2:25 class, for a purse of $1,000. Mile heats, three in five.

| | | | |
|---|---|---|---|
| G. A. Doherty's br. s. Victor, by Echo; dam by Woodburn—Doherty | 1 | 1 | 1 |
| C. L. Durfee's blk. g. Don Tomas—Durfee | 2 | 3 | 2 |
| A. C. Davenport's br. s. Allo—Dustin | 3 | 4 | 3 |
| S. C. Tryon's ch. m. Eva W—McConnell | 5 | 2 | 4 |
| I. Ayres' b. h. Alpheus—Hinds | 6 | 5 | 5 |
| Houser & Soule's br. s. Ha Ha—Houser | 4 | 6 | dis. |
| J. R. Hodson's blk. g. Artist—Shaner | 7 | dis. | |
| F. B. Glenn's blk. g. John R—Johnson | dis. | | |

*Time*—2:25½; 2:22½; 2:24½.

The four-year old trot was the next race on the programme, and was for the four-year old trotting stakes. The only nominations to appear were Dubec and Moses S, and the race proved an easy one for Dubec, as he won in three straight heats. Time, 2:28½, 2:29¾, 2:34½.

SUMMARY.

California State Fair, Sacramento, September 13, 1888.—Four-year old trotting stake. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| L. J. Rose's b. g. Dubec, by Sultan—Maben | 1 | 1 | 1 |
| L. U. Shippee's b. c. Moses S—Whiting | 2 | 2 | 2 |

*Time*—2:28½; 2:29¾; 2:34½.

The free for all pace was called so late in the afternoon that only two heats could be paced. The first was won by San Diego in 2:24, and the second by Almont Patchen in the same time, when it was postponed until Friday at noon. Almont Patchen was a big favorite, bringing $50 to $24 on all others.

## EIGHTH DAY.

Friday, the fourteenth, turned out to be the last day of the Fair, and to be in keeping with nearly every day which preceded it, was chock full of sport. Still more pleasant the weather, notwithstanding there was a downpour, with the usual concomitant in this part of California of thunder and lightning, soon after the horses were called.

There had been a light shower in the forenoon, but not enough to dampen the ardor of the people, so that when the hour came for the ladies' tournament, 10 A. M., the stands were crowded. At least five thousand were in attendance, and they were well repaid, as the equestriennes acquitted themselves admirably. All won hearty plaudits, and the Judges were hugely puzzled to award the premiums, which, after long consultation, were distributed as follows:

The Judges awarded the first prize of $70 to Miss McGrath; Miss Elliott, second prize of $55; Winnie Clark, third prize of $40; Belle Hewitt, fourth prize, $35; Mrs. Trefry, fifth prize, $30; and Mrs. Paquin, sixth prize, $25.

The rain had diminished the fast qualities of the track somewhat, and when the horses for the unfinished pacing race were brought out the shower of the morning was supplemented by what could be called a plentiful dispensation of the unwelcome drops. Almont Patchen still held his position of favorite, and though Belmont Boy pressed him closely, leading to the three quarters pole, when the favorite passed him, and won with a fair degree of handiness.

SUMMARY.

California State Fair, Sacramento, September 13 and 14, 1888.—Pacing purse, $800; free for all.

| | | | | |
|---|---|---|---|---|
| W. M. Billup's br. s. Almont Patchen, by Juanita; dam, Gladys, by Gladiator—Sullivan | 4 | 1 | 1 | 1 |
| H. C. Airhart's b. g. San Diego, by Victor; dam, thoroughbred—Walsh | 1 | 3 | 4 | 3 |
| G. S. Roberts' ch. g. Belmont Boy, by Nutwood; dam, Lady Vernon—Bayless | 2 | 2 | 2 | 2 |
| J. L. McCord's blk. g. Ned Winslow, by Tom Benton; dam, by Dave Hill, Jr.—McCord | 3 | 4 | 3 | 4 |
| S. C. Tryon's ch. m. Pocahontas, by Washington; dam, by George—McConnell | 7 | 6 | 5 | 5 |
| J. R. Hodson's b. g. Bracelet, by Nephew; dam, Mambrino, by Creighton—Donathan | 5 | 5 | dis. | |
| L. E. Clawson's ch. g. Damiana, by Admiral—McDowell | 6 | dis. | | |

*Time*—2:21; 2:21; 2:22; 2:22½.

Third and fourth heats paced September fourteenth.

The racing was now in order, and the California Derby was the first on the programme. It is a stake for three-year olds, of $100 each, $50 forfeit, declaration $10, January 1, 1887; $15, January 1, 1888; $25, May 1, 1888; the distance of one and one half miles. There were twenty-nine nominations, four of which started, viz: Palo Alto's Peel, by Monday, from Precious; Canny Scot, by Leinster, from Tibbie Dunbar; Leon, by Leinster, from Addie A; and Snowdrop, by Joe Hooker, from Laura Winston. This was a quartet of well bred ones, but the prestige of the Palo Alto stable installed Peel in the first place in the pools, and he brought more than all the others. The track was necessarily slow from the rainfall, though safe, and when the flag fell to a good start Leon went to the front and led for nearly a mile, Peel second, Snowdrop third, Canny Scot contented to bring up the rear. Soon after passing the starting point Leon gave up, falling back of all the others, and Peel came into the stretch with the lead, but not so far in front as to settle the dispute without further argument. The run down the home-stretch was exciting. The jockeys were all doing their best, and when the colts went under the wire Peel was half a length in the lead of Snowdrop, Canny Scot close up. Considering the condition of the track the time was fast, 2:38¼.

SUMMARY.

California State Fair, Sacramento, September 14, 1888.—The California Derby Stake, for foals of 1885. Closed in 1886 with twenty-nine nominations. $300 added. One and one half miles.

| | |
|---|---|
| Palo Alto's b. c. Peel, by Monday–Precious, by Lever, 3—Courtney, 118 | 1 |
| James Garland's s. m. Snowdrop, by Joe Hooker–Laura Winston, 3—Kelly, 115 | 2 |
| W. L. Pritchard's ch. c. Canny Scot, by Leinster–Tibbie Dunbar, 3—Holloway, 118 | 3 |
| F. P. Lowell's b. s. Leon, by Leinster–Addie A, 3—Bally, 118 | 4 |

*Time*—2:38¼.

Betting—Auction pools: Peel $50, Canny Scot $16, field $20.

The second race was for the Palo Alto Stake, handicap, a dash of a mile for two-year olds, and of the twenty-one nominations seven started. These were: The Czar, by Norfolk, from Marian; Shannon Rose, by Shannon, from imported Fairy Rose; Duke Spencer, by Duke of Norfolk, from Lou Spencer; Reward, by Jim Brown, from Trophy; Futurity, by John A, from Ella Doane; Wild Oats, by Wildidle, from Mary Givens; and Naicho B, by Wanderer, from Flower Girl. "Own" brother to the Emperor of Norfolk, it was to be expected that The Czar would have the pride of place with the betters, and better than near relationship was the possession of speed in his own right. But the prevailing influenza got hold of him on two occasions and he had not time to fully recover from its inroads. He sold in the pools for $100, Shannon Rose $70, all the others combined $40. Two-

year olds are generally a source of trouble to the starter, and this was not an exception, though a fair send-off was given, making amends for the loss of time. Shannon Rose bounced off with the lead, and at the quarter there was a short gap between her and Futurity, Wild Oats third. At the half The Czar moved into the first place with apparent ease, and rounded the further turn at the head of the procession. Wild Oats came fast down the stretch, faster than the rider of The Czar seemed to realize, and came very near "catching him on the post." A bare nose was all the favorite won by, and that amid a unison of cheers from the backers of both ends. The time, 1:44. Shannon Rose two lengths behind Wild Oats.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 14, 1888.—The Palo Alto Stake, a handicap for two-year olds; $50 entrance; $25 forfeit; $10 declaration; $400 added, of which $100 to second; third to save stake. One mile.

| | |
|---|---|
| Theodore Winters' b. c. The Czar, by Norfolk-Marian, by Malcolm—Carrillo, 110 | 1 |
| W. L. Appleby's b. c. Wild Oats, by Wildidle-Mary Givens—Hitchcock, 95 | 2 |
| Palo Alto's b. f. Shannon Rose, by Shannon-imp. Fairy Rose, by Kismet—Tompkins, 107 | 3 |

Duke Spencer, Reward, Futurity, and Naicho B ran unplaced.

*Time*—1:44.

If the backers of the favorite got a scare in the two-year old race, there was utter demoralization in the Golden Gate Stake for three-year olds, one and three quarter miles; and of eight nominations three appeared. These were Palo Alto's imported colt Brutus, by McGregor, from imported Teardrop; Moses B, by Leinster, from Aunt Jane, named by M. S. Bryan, and William Boots' Nabeau, by Nathan Coombs, from Beauty. Brutus was the biggest kind of a favorite. Those who saw him beaten by Extract ascribed the defeat to the rider and with better reasons for so awarding it than generally is the case. Those who pin their faith on genealogy and who had an acquaintance with the big guns of the English turf, knew that his sire was one of the very fastest of his day, and his dam running through Scottish Chief, Loup Garou, and Pantaloon to Phryne, claimed to be the best daughter of Touchstone, were also ready to support Brutus. But $100 on him to $10 on the others proved that there was too much confidence in speed shown and a long line of illustrious ancestry. There was an even start, Nabeau making the running, and when a quarter of a mile was finished he had a length the best of Moses B, Brutus taking it easy in the rear. When the horses came to the stand the first time, Moses B had deprived Nabeau of the lead by a few inches, and Brutus had also mended his position, being second, though all were so close that there was only a shade of difference between first and last. From that point the race was entirely between Brutus and Moses B, and a grand race it was. Which and which, now one in the lead and then the other, until they come to the straight run for home. Brutus had the best of it, and the hearts of those who had plunged on him beat easier. They were inflating their lungs for a shout of welcome when it was seen that either Brutus was giving it up or that Moses B had a reserve for the critical moment. At the one hundred yard post Moses B had his nose in front, and every stride added to his advantage, so that when the goal was reached he was hailed the winner by half a length. Hailed is not expressive enough; his victory raised a yell of delight fully as resonant as any of the former surprises had elicited. Time, 3:08¼.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 14, 1888.—Running. The Golden Gate Stake; for three-year olds; $25 forfeit, or only $15 if declared on or before September first; with $400 added; of which $100 to second, third to save stake. Winner of any three-year old race at this meeting to carry five pounds extra; colts not 1, 2, 3, in No. 19, allowed ten pounds. One mile and three quarters.

M. S. Bryan's ch. g. Moses B, by Leinster–Aunt Jane—Carrillo, 118 ..... 1
Palo Alto's b. s. imp. Brutus, by McGregor-imp. Teardrop—Courtney, 123 ..... 2
William Boots' b. g. Nabeau, by Nathan Coombs–Beauty—O'Neil, 105 ..... 3

*Time*—3:08½.

Betting—Auction pools: Brutus $100, field $15.

The Nighthawk Stake is the event which is popularly supposed to bring out the fastest "milers," and the popular voice is usually correct. Jennie B ran a mile at Sacramento in 1:42¾, and as a fitting memorial a stake was named after her, with the proviso that if the time were beaten it should be rechristened with the name of the winner. In 1882 Nighthawk won the stake in 1:42¼. That was the fastest record for this coast to date, and though beaten since, it has not been lowered in this race, so that it still retains the name. Inasmuch as the winner of this year wears a title which has been rendered famous by a trotting stallion, had he knocked off the extra three quarters of a second, people would have been prone to associate it with the trotter—rather anomalous for a racing event. There were twenty-six nominations, nine of which started. All with pretentions to speed, some of them sure enough clippers. There were nine starters: Idalene Cotton, Almont, Daisy D, Al Farrow, Edelweiss, Welcome, Applause, Not Idle, and Index.

The rating in the pools: Almont $60, Daisy D $40, Edelweiss $20, the field $35. A great deal of money was posted, with slight variations in the rates. Idalene Cotton was cut down soon after the start, and one of the main supports of the fielders was thrown out. There is little necessity for description, as Almont took the lead at the first furlong mark, and from that to the finish had the race safe. The contest for second place was a good deal closer, second and third choice in the pools running second and third in the race. Edelweiss held the advantage until within a furlong from home, when Daisy D passed her and was within a length of Almont when the mile was completed. Time, 1:42¾.

SUMMARY.

CALIFORNIA STATE FAIR, SACRAMENTO, September 14, 1888.—Running. The Nighthawk Stake, for all ages; $50 entrance; $15 forfeit; $300 added; of which $100 to second, third to save stake. $200 additional if 1:41½ is beaten. Stake to be named after the winner if Nighthawk's time (1:42¼) is beaten. One mile.

W. M. Murry's b. c. Almont (2), by Three Cheers–Question—Madden, 81 ..... 1
B. Cockrill's b. m. Daisy D (6), by Wheatly–Black Maria—Hennessy, 115 ..... 2
Mrs. Wolfskill's b. m. Edelweiss (5), by Joe Hooker–Yolone, by Norfolk—Hazlett, 115 .. 3
Idalene Cotton, Spray, Al Farrow, Welcome, Applause, Not Idle, and Index ran unplaced.

*Time*—1:42¾.

Betting—Auction pools: Almont $120, Daisy D $80, field $70, Edelweiss $40.

The concluding race of the day was a purse for non-winners at the meeting, with allowance as follows: Horses which had not run second allowed ten pounds; the distance, heats of one mile and one sixteenth. Dave Douglas, Sid, Mart Gibson, and Laura Gardner started. In the pools Laura was the favorite at $100, to $25 for Douglas and $20 for the field. Laura took the lead at the start and held it easily through the first heat, winning in 1:51. Sid and Mart Gibson were shut out.

The second heat Laura won very easily. Time, 1:53.

SUMMARY.

California State Fair, Sacramento, September 14, 1888.—Free purse, $250; of which $50 to second. For non-winners at this meeting. Horses that have started and not run second allowed ten pounds. Winners of any race, entered herein, may be withdrawn without penalty. One mile and a sixteenth and repeat.

W. L. Appleby's ch. f. Laura Gardner (4), by Jim Brown–Avail—Hitchcock, 100 ..... 1
G. W. Trahern's b. g. Dave Douglas (6), by Leinster–Lily Simpson—Denison, 110 ..... 2
B. C. Holly's ch. c. Mart Gibson (3), by Joe Hooker–Jennie Gibson—Richardson, 103 ...dis.
B. C. Holly's b. c. Sid (3), by Sidarthur–Vestalia—O'Day, 93 ..... dis.

*Time*—1:51; 1:53.

Pools sold—Laura Gardner $100, Dave Douglas $22, field $16.

## NINTH DAY.

All races declared off, on account of rain, under Rule 18, National Trotting Association.

CLOSE OF THE CALIFORNIA STATE FAIR.

Had the weather of Saturday proved propitious, the closing day of the Fair would, in all probability, have been the most exciting of any. There were three races programmed, and two of them, at least, of a character to awaken the highest excitement. These were the free-for-all—with Arab, Stamboul, Lot Slocum, and Tempest to start—and the three-year old pacers—with Adonis, Yolo Maid, and Gold Leaf sold in the pools Friday night. As Maggie E was in the 2:40, the main interest would have been which would get second, though it was on the cards that Maggie E could be induced to stay out, when the other entries would prove a "guessing lot." Though Arab was a big favorite in the pools sold the night before—and from the loss of form shown by Stamboul, with Tempest hardly up to the speed of the others, it was to be expected that he would rule first in the estimation of the betters—for all that the case was still a matter of doubt. Stamboul may "round to" at any time, and Lot Slocum was brought from the other side of the mountains with a full knowledge of what he had to contend against. He has scored the fastest mile ever made in Montana, and when in the pink of condition he is liable to be troublesome to the very fastest. The pacing youngsters were "dead certain" to make a lively fight, and heats in the teens all through the probable result.

There have been rainy days at the State Fair before, but such a downpouring as that of Friday night and Saturday morning—and that, too, accompanied by the eastern mixture of loud thunder and sharp lightning—is a new experience.

The action of the Directors in declaring the races off was the wisest course to pursue, as a postponement until Monday would have interfered with other engagements.

# OPENING ADDRESS

DELIVERED BEFORE THE STATE AGRICULTURAL SOCIETY AT SACRAMENTO, CALIFORNIA, ON THURSDAY EVENING, SEPTEMBER 7, 1888.

By Hon. Geo. A. Knight, of San Francisco.

Mr. President, Ladies, and Gentlemen: I hardly know why the honor has been conferred upon me to deliver the opening address of the State Fair in Sacramento. Possibly they have used the same rule lawyers do in obtaining their jury. When we find a man whose mind is a perfect blank upon the issues and subject of the case that is about to be submitted to him, we say that man is a pretty fair juror; he knows nothing about the case, and we think he will take in by absorption, if nothing else, enough to make him arrive at a just and a fair conclusion. In this instance, and with these surroundings, it seems to me that that is the reason I have had the honor extended to me this evening of being requested to deliver the opening address at this annual fair of the State of California. In looking around this room it seems to me now, at the present moment, to be more of an honor than I had anticipated. Here in Sacramento, the first city of this Golden State, a city that has done more towards the civilization of this State than any city in it; built by the pioneers and made by them a stepping stone for our State's proud position; being the sunrise of intellectual and inventive progress that has always characterized our State; it is fit and proper that this place should be designated the capital of the State for the holding of the State Fair.

Have you any idea—of course you have—what a wonderful people we are getting to be? Stop for a moment and know what a wonderful country these United States of America have grown to be, and California a part and parcel of it. The principles that underlie, control, and sustain our national life are to be tested in the coming years of the future. In our present we have much to be thankful for. Sixty million happy, free, and intelligent people, living within the confines of the most wonderful country in the world, speak to the nations of the earth in language that cannot be misunderstood of the success of a government founded by the people, of the people, and for the people, and one that shall never perish from the earth. When we undertake to comprehend the wonderful advancement made by this nation, yet in the swaddling clothes of experiment, it seems like a fairy dream. One hundred years of a nation is in the ratio of primary school time to the child; and yet we are to-day, in art, science, resources, and invention, the leading spirits of the age. The raw material is everywhere present, waiting for science and labor to present new industries and greater demands for our common country. The workshop of industry is open early and late, and the sparks from the anvil of time lightens up the future of reward for the patient Vulcan employed for the interests of our commonwealth. The iron mines of our country, that for a long time lay carelessly indifferent to affording one pound of their priceless treasure, have been opened to equip the steamers of commerce, furnish the busy mill of the

thousand industries, and have bound in fraternal union the Orient and the Occident with the pathway of the iron horse of travel. Our inexhaustible mineral wealth can scarcely be estimated, and the treasures yet hidden in the granite safes of the future, away from the gaze of the present generation, will be valuable incentives for active brain and muscle in our children's children, that their inventive genius and industrious daytime may lead them to the summit of a peaceful plenty.

The sunrise of hope breaks with freshness upon a prosperous future, and the grateful signs of future prosperity cannot be marred by want or slothful indifference. Thousands upon thousands of God's green acres have yielded, and will yield, their abundant harvest, that we may be nurtured and bountifully fed. The beautiful Sierras have furnished their precious metals of trade to better our condition, and the mighty vaults that for centuries have been closed, at the command of scientific research, opened with a spring, and the millions they had treasured from their youth until the snows of age had tipped their rugged peaks have been thrown recklessly in the lap of man, with the command to the subjects at their base to respond in a just proportion. American genius caught the fire from heaven, and it speaks to us from a hundred thousand miles of wire for our family conversations. We may send it into the bosom of the Atlantic and across its waters and hold friendly converse with the islands of the sea. Tired of the pony express, wearied of the post, angry at the expense of the messenger, we conquered time and distance by the wonderful invention that makes the telephone our constant companion and its necessity absolute. Wonderful, say we all, is our present. Still more wonderful the virgin years beckoning us on to greater achievements.

What shall we say of California, the regnant queen, robed in her maiden garments of prosperity and wealth, unspotted yet by a mistake in anything of interest to her people. The Pacific pays her tribute with one thousand eight hundred miles of its waters, and invites the commerce of the world to voyage to her Golden Gate. One hundred and ninety thousand square miles, yielding all kinds of mineral and agricultural wealth, sustaining her, and a million industrious and energetic souls as her subjects, she can progress and prosper from her own natural resources and pour millions of dollars into the treasuries of the world, and though young in years, we ask no favors from the world's cities for fruit and vine, and it seems that God has willed us perennial spring. Piercing the domain of heaven, Shasta and Hamilton invite the world's tourists to pleasures denied them elsewhere, while Yosemite proudly watches us in our effort, and the Sentinel Dome stands godfather for our patriotism and power. Education, science, and art are no longer the companions of wealth and power exclusively. In workshop and stubblefield, our public schools open their doors to our growing children as a potent factor in future civilization, fitting them for the highest type of American citizenship. With all these tributaries to State and national greatness, we bid the future a courteous defiance, and hand to our children's children the ark of freedom's covenant in the presence of a lasting peace.

And now, at this annual congregation of our agricultural people, under circumstances most encouraging and most auspicious, let us bid each other God-speed in our good work, and in behalf of the President and Directors of this institution, I bid you all welcome. Stay with us, be happy, and go to your quiet homes feeling and knowing that it was well to have been here.

# ANNUAL ADDRESS

DELIVERED BEFORE THE STATE AGRICULTURAL SOCIETY AT SACRAMENTO, CALIFORNIA, ON THURSDAY EVENING, SEPTEMBER 13, 1888.

By Hon. John P. Irish, of Oakland.

Mr. President, Members of the Directory, and Fellow Citizens: We are here to indulge in the regular annual congratulations that California has had abundant crops, that she has been blessed in basket and store, that the proceeds of our industry and fruits of our farms and our orchards have been widely distributed throughout the States of our own country and the nations of the earth, to other people to whom we send these as their supplies of the necessaries and luxuries of life.

I have been invited by the Directory of this Agricultural Society to say something of a formal nature, to be placed in their annual publication and sent forth to the world, that shall, perhaps, worthily present this great State and the fruits of the industry of our people to others at a distance. I have found myself, by the formality of the occasion, compelled to do that which I have not been in the habit of doing, and this afternoon have written and will read from that portion of the address required for preservation in printed form:

Gibbons says that until men bestow their regard upon their benefactors and not upon their destroyers, the history of the world will be largely a narrative of campaigns and a biography of commanders.

Voltaire declares that there are but few princes who deserve to have their history written, for but few of them deserve to have their memory preserved. In this country instead of the prince we have the politician. Like the poor, he is always with us. Stand on the main street of the commercial metropolis of California and watch the people as they pass, and while you watch keep tally of the battered wrecks of politics, who have sought and held office and are still seeking it. The people turn and look at them with a certain awe. To have aspired to high office or to have held it is not a discredit in a free country; but a life of office seeking, primary manipulation, running conventions, undermining others and making hot contests to get even with rivals, is not a life that testifies to any greatness of character, nor are those who lead it the great men of the State. Look upon the men in the fleeting show I have mentioned! What industry do they promote, what labor do they hire? Has one of them ever made two blades of grass grow where one grew before? Are they our great men and deserving of the tribute of even curiosity? It is true they somewhat rival Solomon in the glory of their raiment, and resemble that philosopher in other things, though not in his wisdom. Their heels spurn the earth as if it were too mean to take the tracks they make, but if they should all disappear to-night what crops would go unharvested, what wheels would stop, what solid interest of this newer France and greater Italy and better Asia would suffer for their taking off? They are men who make politics a profession while others toil and create the commonwealth. They parasite

their way through life, live soft-handed all their days, and dying full of years we strain ourselves to build them public monuments, when in truth the sole return they make to the earth for all its fruits they have eaten without earning, is the fertilizing effect of their carcasses.

You may look on these men till you tire. They are not the great men of California, whose memories deserve preserving, nor the men who should be first honored with the lifted hat. Our great men are those who are patiently developing the marvelous resources of the State, who are studying the ways of Nature, and watching the cunning hiding places of her stores. Many of these men may be named, and many of whom the world has not heard are worthies in the same list.

When Southern California was a poor cattle pasture, Rose, of San Gabriel, went to that wilderness, cherishing the tastes of his German birthplace. It was thirty years ago that he took the southwestern trail, through perils that are now amongst the ancient history of New Mexico and Arizona. His dream was of a land of corn and wine, and it became fact when his first grapes were trodden into wine by the Indians, amongst whom he made his home. He pioneered that new Los Angeles, proved the higher utility of a California "cow county," and showed others how the name of that part of our State could be sent around the world on the fame of its oranges, its figs, trees, and vines.

Ellwood Cooper, of Santa Barbara, is another of the great men of this State, for he has proved the possibility and the profit of olive culture. He has shown that our soil and climate will produce olives as rich in oil and flavor as any that were kissed into perfection by the soft air of Palestine on the slopes of the Mount of Olives, where the Savior rested and overlooked Jerusalem, where he was soon to be hailed as the Son of David. Ellwood Cooper added a new commercial utility to the industries of this State, and his genius has produced olive oil so excellent that the product of ancient orchards on the slopes of the Mediterranean finds no sale in competition with it, though offered at less than half its price. What he has done at Santa Barbara can be repeated along seven hundred miles of the Coast Range on lands kindly to the olive, but otherwise of doubtful utility. Let all Californians honor this gentleman, whose genius and energy have located here one of the oldest industries of the earth.

Another great Californian is dead. He served his country bravely in battle, it is true, but his title to greatness is not only in his record as a soldier. Naglee, of San José, gave his sword to his country when she needed soldiers, but his fame rests upon his being the first experimenter to prove the ultimate and maximum excellence of our vintage, and give a permanent commercial fame to our vineyards, by proving that California is the peer of France in brandy production. With no guide but his genius, focussed upon one subject, he hunted brandy in the chemistry of the soil, guarded its transmutation into the sap which is the blood of the vine, traced it from the vine to the leaf, and thence to the fruit and its distillation, and in the perfected spirit caught the blush and bouquet of the grape, and made it sweet with the aroma of Nature's cologne. This prince of spirits has withstood the tests of hard judges in competition with the brandies of Europe. With a tithe of the work and toil of perfecting it, he could have packed primaries, purchased nominations, and had his name inscribed amongst Senators. But he chose the pursuit that practically benefited his State, by adding to its materialities; therefore lift your hat to the memory of the man who beat France with California brandy, and convicted cognac of adulteration.

There was another field left open, another useful office to be filled, and, without waiting for a convention to nominate him, Colonel Haraszthy assumed its delicate and costly functions by setting for himself the task of proving that California can produce champagne. It took better stuff than we put into office-holders to invest the substance and the energy he gave to the maze of experiments, out of which issued a California sparkling wine. Champagne has in it the soul of the wine, the sparkling, speaking spirit. Until this other great Californian conjured this spirit from his *cuvee* the vineyards of this State were so many bodies only. He touched them with the hand of genius, and each body was quickened by the soul within it. In this contact and conversation with Nature, by which these really great men are planting firmer foundations for California than could be built by all the bones mortared together by the brains of her noisy politicians, there are many co-workers.

In a sunny little valley, on the bayward side of the Berkeley hills, another great Californian has established a horticultural laboratory, wherein the fruits of Japan are undergoing test and trial, and experiments in hybridizing are in progress that are big with importance to our stone fruit interest. There Pyral, of Temescal, has built the tiny bowers in which the marriage of blossoms has been consummated, and he has watched lest a vagrant bee should steal and sip the wedding sweets, or a wandering breeze pollute the bride, and so defeat his well planned match-making. The layman, looking, may be indifferent to this patient toil which, bringing together the germinal principle of two different fruits in the blossom, produces a new fruit with the flavor and excellence of both parents; but let it be remembered that to hybridizing we owe our delicate nectarine, and it was the same process that differentiated the peach and apricot from some common ancestry so remote as to be forgotten. Kings, queens, and emperors schemed, and fought, and died about the Spanish marriage in the time of Louis XIV, but what was that marriage, with all its dynastic consequences, compared with the results which may follow this marriage of flowers by this patient, plodding man, whose unspoken ceremony may give the world a new fruit and industry a new creation by which to increase the profits of its toil?

There are others within our borders who rank with them as benefactors of mankind by having added to the mastery of the resources of nature, and yet when they come and go, we burn no torch and belch no brass music in their honor. Receptions, and levees, and leavetakings are for others, while our real benefactors pay their own fare, carry their own satchels, and are not pointed out in the crowd to the gaze of admiration, or curiosity, or envy.

What has been wrought here by men of whom these are the type, has been simply the result of faith that Nature had hidden in the soil and sunshine of California rare and novel capacities not found grouped together in any other land on earth. Emerson never visited California, but he described our commonwealth in the exordium of one of his remarkable addresses in these terms: "In this refulgent summer it has been a luxury to draw the breath of life. The grass grows, the buds burst, the meadow is spotted with fire and gold in the tint of flowers. The air is full of birds, and sweet with the breath of the pine, the balm of gilead, and the new hay. Night brings no gloom to the heart with its welcome shade. Through the transparent darkness the stars pour their almost spiritual rays. Man under them seems a young child and this huge globe a toy. The cool night bathes the world as with a river, and prepares his eyes again for the crimson dawn. The mystery of nature was never displayed more happily. The corn and the wine have been freely dealt to all creatures, and the never-broken

silence with which the old bounty goes forward has not yielded one word of explanation. One is constrained to respect the perfection of this world in which our senses converse. How wide; how rich; what invitation from every property it conveys to every faculty of man—in its fruitful soils; in its navigable seas; in the mountains of metal and stone; in its forests of all woods; in its animals; in its chemical ingredients; in the power and path of light, heat, attraction, and life. It is well worth the pith and heart of great men to subdue and enjoy."

Though applied to a distant part of the Union, these eloquent words fulfill the requisites of a description of California, the winterless land.

I have given some time and care to the study of this State and its capacities, and have availed myself of the experience of others. I have compared it with other lands noted in the ancient and the modern world for their scenery, their climate, and their fertility, and out of the trial of every such comparison California comes mathematically vindicated as a region combining more advantages which add to the desirability of life, and furnish the means of comfortable and luxurious existence, than any other land on earth.

But Nature has not here broken the string and carelessly scattered her jewels, so that in finding and using them there shall be no difference between idleness and industry, between thrift and wastefulness. I have used the names of men who deserve to be called great in our annals, *because* they had the steadfast courage to pursue lines of original investigation into the capacities of the State, and to finally prove them, and in the proof open the way to thousands of others by will and work to earn bread, and to do it inspired by the hope of a competency.

Looking over the vast and varied field of California's materialities, we may say with Emerson, this State "is well worth the pith and heart of great men to subdue and enjoy."

I have had no time to prepare comparative tables showing the increase in our staple articles of commerce, since bold experiment proved that their production was possible. In outline, then, it may be affirmed as a fact demonstrated that this State produces in lush abundance the grains and grasses, fruits, nuts, and vegetables which Nature has scattered widely over the earth, but only here has grouped in a contented and profitable companionship. The rural proprietor in California is indeed an international merchant, for he is producing crops that are amongst the daily necessaries of life in every civilized land. The Frenchman must soon consider our wine crop, for his own is receding. The English market takes now one sixth of our raisin crop, and the time will come when the Christmas plum puddings will lack plums unless California has a surplus of raisins for export equal to the English demand. With two crops of wheat stored in our warehouses, bread is rising in France and England, and California's surplus must stand between famine and the seventy millions of bread eaters in the two countries. The source of olive oil supply along the Mediterranean is failing, and if it were not for American cotton seed and lard oil, Marseilles and Lucca would have no olive oil to export. The foreign maker of this oil seems to have nothing left but his brand, and that does duty on oils that would not know an olive tree from a manzanita.

So I might show in the case of production of the staples as well as the luxuries of life that the whole world looks to California as the freshest and best source of supplies that are extinct or rapidly exhausting in their ancient locations. The effect of this fact is seen in the advancing value of real estate and its improvements in this State.

We have occasion to boast of the rapid increase in the assessed valuation of the State, but we may well be proud when we analyze the increase. It is in the real estate, the soil, the source of all wealth, and power, and comfort. In 1878 the value of real estate and its improvements was assessed at $467,026,552. In 1888 the same assessment is $909,635,331, while exclusive of railroads, the State shows this year only $174,409,378 in wealth aside from real estate and improvements. This is a fact that will startle the publicist and statistician, while it will gratify the pride of a Californian, for it shows that our wealth and its increase are due to the high farming of our soil. True, part of this realty is in city property, but every vara of it gets its value from the fields and the fruits of rural industry.

This great exhibition, the harvest-home of California, is the proof and sample of what the farmers of this State are doing. It is ineffably California manifest in the flesh. To the eye of the trained observer it offers evidence of facts of the highest importance to mankind. It proves that the utilities of the soil are nobler here than elsewhere, and as the utility of the soil is refined, the value of the product per acre increases, and with that increase goes the most important economic fact that can be urged in behalf of our noble commonwealth—that fact is, the small acreage needed here to support a family and secure a competence. I know men who have sought California within the last six years, fugitives from misfortune or stricken in strength, wondering only if the clouds would ever lift, and if the sun would ever shine again for them. Encouraged to begin life over on twenty acres of California soil, planted in vines and trees, these men are now on the road to fortune. Surrounded with plenty, with sunshine without and within, they can heartily repeat what a venerable Sutter County farmer said to me once: "When the message comes to me, I am ready for the great change; but I go, believing that the Good Architect of all things commands me to a country that is no fairer nor richer nor kinder than California."

Let the word pass through the nations that California is the poor man's land—if a man can be called poor who is willing to work—and that here a home on twenty or forty acres is worth a principality in lands less favored. And let us who are here, in the midst of this constant ferment of nature toward useful production, bid welcome to all honest comers who are willing to work, so that our seven hundred miles of rich foothills and our valleys in whose vast areas you might lose ancient Egypt, or Greece, or Italy, will blossom with the homes of millions of free men, who, as each radiant day yields to each radiant night, will turn their prayerful hearts to the source of all good gifts, and with voices reverently joined, say with us God bless the commonwealth of California.

# A WINTER FAIR.

CALIFORNIA'S PRODUCTS SHOWN IN DECEMBER, FRESH FROM TREE AND VINE—THE OROVILLE CITRUS EXHIBITION OF 1888.

By Mr. S. S. Boynton, Editor of "Oroville Register."

The residents of Oroville and vicinity, realizing that we have here the finest citrus fruit belt in the Golden State, last year determined to show the world what this portion of the State could produce in this line. So gratifying were the results, so widespread was blown the fame of our orange groves, so rapid the influx of people, so many hundreds of acres were set to the orange, the olive, and the vine, that this year it was determined to hold a second Citrus Fair, on a larger and grander scale than had ever before been attempted in California. For this purpose a mammoth canvas tent, covering over ten thousand square feet, was erected and arranged for exhibiting the winter fruits and flowers of this part of California. This temple to Pomona, the goddess of fruit, was opened to the public on Monday evening, December 17, 1888; and below will be found a description of the grand display.

## THE PAVILION.

The pavilion for the second Citrus Fair is a mammoth building one hundred and sixty feet long and sixty-four feet wide, with arches sprung from side to side so as to leave the whole space clear of all posts or pillars. The center of the building is thirty-four feet high, thus making a magnificent structure for the display of fruits. The area of the floor is ten thousand two hundred and forty square feet, while over thirty-five thousand feet of lumber was required in the framework of the building. In the main pavilion there is twenty-seven thousand feet of canvas, and in the extra roof about fifteen thousand feet more. Owing to the material of which it is formed, the pavilion is as light as though made of glass, while at night it is brilliantly illuminated by thirty-six electric lights. The space inclosed is nearly three hundred thousand cubic feet.

A Citrus Fair in Oroville, Butte County, California, during the month of December, is of more than local importance. Oroville is situated at the base of the Sierra Nevadas, in 39 degrees and 30 minutes north latitude, so that the exhibition of citrus fruits in that town during the winter season may be taken as an ocular demonstration of the climate of a large part of Central California.

Readers will bear in mind that the great cities of St. Louis, Baltimore, Philadelphia, and Cincinnati all lie in about this latitude, and that all the Southern States are south of this parallel. In making any comparisons of climate, as well as productions, this must be taken into consideration.

We annex a table showing the average annual temperature of a number of localities on the Atlantic Coast, but all south of the latitude of Oroville: Norfolk, 59°; Lynchburg, 57°; North Carolina: Charlotte, 61°; Hatteras, 62°; Fort Macon, 62°; Smithville, 63°; Wilmington, 63°; Asheville, 54°;

South Carolina: Charleston, 66°; Aiken, 62°; Georgia: Augusta, 65°; Savannah, 67°; Atlanta, 62°; Florida: Jacksonville, 69°; Cedar Keys, 71°; Key West, 78°; Sanford, 72°; Pensacola, 68°; Alabama: Mobile, 67°; Montgomery, 65°; Mississippi: Vicksburg, 66°; Louisiana: New Orleans, 69°; Shreveport, 66°; Arkansas: Fort Smith, 59°; Little Rock, 62°; Tennessee: Chattanooga, 60°; Memphis, 61°; Nashville, 60°; Kentucky: Louisville, 57°; Missouri: St. Louis, 55°; Texas: Galveston, 70°; Brownsville, 73°; Fort Davis, 60°; El Paso, 63°. The average for Oroville during a series of years is 64.5°. As many of the points named lie far south of Oroville, it will be seen that California has a milder temperature than any portion of the Atlantic Coast in the same latitude. Thus, for instance, Cedar Keys is in 29°, Key West 25°, Charleston 34°, Savannah 32°, Mobile 31°, and Vicksburg 32°, so that those localities with a higher mean temperature are much further south.

If the reader desirous of knowing something of the particular locality about Oroville, will take a map of California, he will find that the town lies on the south bank of the Feather River, just where that stream breaks forth from the mountains. The town is partly surrounded by hills, especially upon the east and north. It is thus shut off from the cold, north winds that sweep down the Sacramento Valley during the winter months, making the temperature lower than it is along the low foothills. This is one reason why the citrus fruits do so well about this town. Another point is, that the soil is of a warm, or gravelly character, with good drainage. This warm soil, and the freedom from cold winds, has much to do with exemption from severe frosts, so that this is a favored locality for the growing of citrus fruits.

Inasmuch, however, as this same foothill belt, and the same kind of soil are found for a long distance at the base of the Sierra Nevada Mountains, the same general conditions for fruit growing are met with.

While the orange has reached a more decided development about Oroville than at any other point in Northern California, it is not an isolated spot, for oranges are grown in all counties that touch the low foothills of the Sierras, from Shasta to the extreme southern end of the San Joaquin Valley. All that is needed in many places is a more extensive planting to bring about the grand results that have been reached at Oroville. This town has, however, two advantages that many other localities do not possess—first, the greater width of the mountain slope from the summits of the Sierras to the edge of the valley; and second, the vast flow of water afforded for irrigation purposes. Before giving an account of the fair held it will not be out of place to call attention to these two points. At the spot where the Feather River debouches from the Sierras, it is further to the summit of the mountains than either north or south of this locality, hence the distance is greater to the deep snow line, and this is claimed to have a great influence on moderating the climate. In this locality it is thirty miles to an elevation of three thousand feet, so that an immense area lies to the east of Oroville before any snow belt is reached. Both north and south this belt is narrower and the distance from the valley to the snow line is greatly reduced.

With regard to water facilities this is an exceptional locality, as Feather River affords an immense flow of water at all times in the year. State Engineer Hall points this out in his report, when he shows that the flow of this one stream is more than double all the water in the great counties of Los Angeles and San Bernardino.

In addition to this, there are numerous large creeks flowing from the Sierra that afford fine irrigation facilities.

The Citrus Fair held in December, 1888, in Oroville, was the fourth fair of the same kind held in Northern California, the first being at Sacramento, in January, 1886; the second at the same city, in December, 1886; the third at Oroville, in December, 1887; and the fourth being the one just held. The latter was the most remarkable of the four in several respects. At the first fair, ten or twelve counties were represented and exhibited their products; at the second, twenty-two counties displayed their citrus and other productions; at the third, all of Butte County was represented, while at the fourth less than half the territory of Butte sent any products, so that while the fair possessed no less merit than either of the others, it demonstrated that in this vicinity all the varied productions of all Northern California are produced. That this may be the more apparent, we add a list of the various exhibits.

Exhibits at the last Oroville Citrus Fair. Oranges: Seedling, Naval, St. Michael, Konah, Mediterranean Sweet, Malta Blood, Tangerine. Lemons: China, Eureka, Sicily, Lisbon. Olives, olive oil, tobacco. The olives were shown on branch and loose; the tobacco in its green or growing state and when dried. Potatoes, fifteen exhibitors; melons, five exhibitors; cotton, seven exhibitors; raisins, sixteen exhibitors; prunes, seven exhibitors; figs, eighteen exhibitors; both the White Adriatic and the common varieties being shown. Bleached fruits, six exhibitors; sun dried fruits, twenty-four exhibitors; almonds, fifteen exhibitors; many varieties being shown. Walnuts, twelve exhibitors; chestnuts, four exhibitors; quinces, eight exhibitors; grapes, five exhibitors; apples, forty-four exhibitors; pears, seventeen exhibitors; pomegranates, seven exhibitors; persimmons, twelve exhibitors; while in addition there were shown pumpkins, popcorn, hops, beans, strawberries, sugar beets, peanuts, green tomatoes, the latter from ten localities; egg plant; oils and extracts from the citrus fruits; seedling date trees, honey, licorice, celery, lettuce, onions, blackberries, raspberries, shaddocks, citrons, flax, banana plants, green peas, and green peppers.

The pavilion in which the fair was held was, to a certain degree, emblematical, for nowhere on the Atlantic Coast could a Citrus Fair have been held in December, with no other protection but a canvas covering. This pavilion was a mammoth structure, one hundred and sixty feet long by sixty-four feet wide, with arches sprung from side to side so as to leave the whole space beneath clear of all posts or pillars. The center of the building was thirty-four feet in height, thus making a magnificent building for the display of fruits. The area of the floor was over ten thousand square feet; nearly forty thousand feet of lumber, and forty-two thousand square feet of canvas were used in making and covering the pavilion. Owing to the material of which it was formed, the interior was almost as light as though covered with glass, while at night it was brilliantly lighted with a large number of electric lights. The space inclosed was nearly three hundred thousand cubic feet. Within this grand temple of Pomona, the goddess of fruits, there were six large, fine orange trees, loaded down with their rich golden fruit. One writer, in describing this scene, says: There were grottoes, cottages, and great whirling wheels covered with oranges, and propelled by motor power that left great orange ribbons in the track of their revolutions, and all so perfect and beautiful that they would have excited the admiration of an artist. Great crates of oranges, as large as header beds, and all so clean, large, bright, sweet, and delicious, as to cause visitors from snow-clad countries to stop and gaze in wonder at what has been here accomplished. We saw ears of corn, fifteen inches long; great pumpkins and squashes as large as washtubs, turnips as large as peck measures, and great streaked rosy apples the size of sugar bowls. The exhibition

building was erected in the Court House square, over graceful palms and orange trees, their branches laden with ripe, glossy fruit. We saw orange trees that had buds, blossoms, and oranges on them, ranging from the size of marbles up to the fully ripe fruit. The building was supplied with electric lights, and festooned overhead with flowers, evergreens, and fruits. When we entered we were reminded of the fabled palace of Circe, but it could not have compared with this in gorgeous richness of coloring. We were reminded of the New England minister that gave a glowing description of heaven, when an old Californian nudged his neighbor and said, that is California.

The "Marysville Appeal" editorially said: Such a scene of beauty has not been excelled since the days of Aladdin's palace. Each exhibit is a gem in itself, and the general decorations present an originality of design surpassing description. Every part of Butte County is represented [the western half was not], and while the main part of all the exhibits consists of oranges, limes, and lemons, yet every kind of tropical and semi-tropical product may be found; all kinds of cereals, beautiful flowering plants, rare palms, melons, apples, and all kinds of vegetables, etc. This fair must be seen to be appreciated, it cannot be adequately described—so beautiful, so rich looking, that two hours spent in viewing it passes away as quickly as ten minutes usually do.

Mr. Shinn, the editor of the "Overland Monthly," in writing to the San Francisco "Examiner," thus spoke of the fair: The whole life of this region is now centered in the orange pavilion in the Court House square. The display there is worth a trip from New York to any person who wishes to see what the Sierra foothills can do. There ought to be hundreds of people here from San Francisco. The full development of this region means hundreds of thousands of dollars in the pockets of San Francisco merchants, bankers, etc. The display is most artistic and beautiful, and it appeals to every esthetic sense as well as to the great American pocket. He further adds, here are tomatoes, green and ripe, and fresh growing vines from the open air; here are watermelon vines and pepper plants, lime trees, orange flowers, and the most tender of flowering plants, grown at an elevation of from five hundred to one thousand feet. Here are strawberry plants with green and ripe fruits, and raspberry bushes loaded with berries. These things mean that this is in the midst of a thermal belt such as the best of Southern California so fortunately possesses.

The San Francisco "Bulletin," in commenting upon the fair said: Exclamations of surprise at the peculiar effects of the novel display are made by nearly all visitors on entering the pavilion. Oranges are everywhere in the most unique designs; the green of the pine foliage and the orange of the golden fruit are worked in together in all combinations. Some mention has been made in previous letters of the displays, but their merit and novelty demands closer attention, and this the writer will endeavor to here give for those who may not see the fair for themselves.

Exhibits are arranged on all sides of the pavilion and in two rows through the center. The Palermo citrus colony attracts attention by a large wire summer house, half covered with oranges, with flowers and with exotics grouped about. At its side, under a growing orange tree, are horticultural products from the Merrimac District, up four thousand five hundred feet in the Sierras. Near by D. N. Friesleben, who is General Superintendent of the fair, has a unique display. A heart-shaped design, seven by nine feet, composed of one thousand two hundred and eighty oranges, is suspended from the ceiling; below is a double circle of oranges, twenty-four feet in circumference, inclosing the words "Citrus Belt;" below this is a

beehive of oranges on a base five feet square, all covered with the same fruit; below the hive, on the floor, is a five-pointed star of oranges, the five letters B U T T E are in each point, and around them are various vegetable and cereal products. The walk to the hive is represented by minerals. The whole display is inclosed by a circle, with a gate four by five feet, covered with oranges like all the rest. Over five thousand oranges are in this one design, which is presumably a rebus. The answer to the puzzle is that Oroville is in the heart of the citrus belt, that orange culture is the important industry, and that Butte is the star county inside of the Golden Gate.

The "Marysville Democrat" said of the fair: All the products of semi-tropic and temperate climes blend in harmony, yet abound in profusion, pagodas, temples, crosses, forts, parterres, and banks of oranges. Apples, lemons, limes, olives, ripe fresh strawberries, dried fruits, raisins, vegetables, mingled with ferns, flowers, and shrubbery, abound on every hand.

The "San Francisco Chronicle" thus aptly sets forth the chief designs and emblems in the fair: In novelty and originality of designs this fair excels any previous display of citrus fruits ever held on the Pacific Coast. The designs for exhibiting fruit are marvelous and grand. They include mammoth emblems, taking thousands of oranges to form a single model, and every shape and form of design that seems suitable for display has been brought into use in this magnificent exhibit of the products of a single county. One of the grandest of these is under the name of "Rock of Ages," and the execution of this design took ten persons four or five days to complete. Upon it alone six thousand oranges have been used. Another splendid exhibit is a Japanese pagoda, in which nearly five thousand oranges and lemons are handsomely displayed. A wire summer house, ornamented with citrus fruits and filled with the choicest products of this clime, is a magnificent spectacle. Another lovely design is a lattice work building covered with ivy and oranges, and in which are a myriad of products, while two fountains add to the beauty and attractiveness of the scene. An immense golden heart, covered with thousands of oranges, a grand monument on which are displayed thirteen thousand samples of the same luscious fruit, and a huge basket in which are piled up fully as many oranges as on the monument just named, are among the most striking features in the pavilion.

There are many lovely and striking designs of smaller dimensions displayed by the Parlors of the Native Sons and Daughters, by the Lodges of Rebekahs, and by the Grand Army Post. In the latter display is a fort, from which protrude a number of cannon, and these are filled with oranges clear to their muzzles.

While the oranges predominate in this grand exhibit, yet the olive, fig, pomegranate, apple, lemon, shaddock, lime, grape, and other fruits are handsomely displayed, and there is a grand showing of lovely flowers and potted plants.

The Chico "Enterprise," in speaking of one feature, says: Against a dark background towers a huge cross, composed entirely of oranges, six thousand being used in this display alone. This cross stands on a rocky mound, mineral specimens of this section, calla lilies, and ferns growing between the rocks. A bank of oranges slopes from this down to an evergreen opening, the whole occupying the entire end of this wonderful pavilion. Over the cross is a large star, and in large fancy letters of oranges the words "Rock of Ages."

A lady correspondent wrote: The daintiest little nook in the fair pavilion is the Parlor of Golden Fleece Lodge, N. D. G. W. Symbolic of the

name, it is of gold and white. The floor covered with fleecy rugs; furniture, mantel, and ornaments are composed of oranges; filmy white curtains are draped from the windows and hung at the entrance. Under the large overhanging orange tree is a fern garden—a fitting surrounding of this most charming retreat. The opposite corner is occupied by Argonaut Parlor, N. S. G. W. Here on a smooth shaven lawn stands an Elizabethan cottage, built of oranges. The lace draped windows are hung with fern baskets. The door stands invitingly open as if to tempt some native daughter to walk into the parlor. Stepping across the lawn one steps from '88 to back into the log cabin of '49, with all its pioneer appliances, the pick and shovel, the kettle of baked beans, the cradle in which there is some gold specimens, just panned out. All these so dear to the hearts of those grand old Argonauts who, by their early efforts, have made citrus fairs possible.

## LIST OF PREMIUMS AWARDED.

List of premiums given to exhibitors at the Second Citrus Fair at Oroville, Butte County, California, beginning December 17, and ending December 22, 1888:

ORANGES.—Best individual exhibit—Thirty-five exhibitors—Joe Gardella, $25; L. N. Eyler, $20; Mrs. James C. Gray, $17 50; W. M. Pence, $15; Ella Wilcox, $12 50; Mrs. B. Bussey, $10; J. Seconi, $7 50; Brier & Welch, $5; J. B. Rider, $3; Mrs. Z. M. Sexton, $2.

ORANGES.—Best twelve budded—Eight exhibitors—Oroville Citrus Association, $5; G. W. Sovereign, $3; Mrs. White, $2.

ORANGES.—Best twelve seedling—Thirty-two exhibitors—Mrs. S. J. Bussey, $3; Brier & Welch, $2; J. B. Rider, $1.

ORANGES.—Best cluster—Joe Seconi, $5; G. O. Sovereign, $3; J. J. Smith, $2.

ORANGES.—Twelve largest—Eighteen exhibitors—Wm. Danforth, $5; Mrs. S. Gummow, $3; Mrs. James C. Gray, $2 50.

ORANGES.—Best budded—Three exhibitors—Ella Wilcox, $10; Joe Seconi, $5; Mrs. James C. Gray, $2 50.

LEMONS.—Best one exhibitor—John S. Hutchins, $10.

OLIVES.—Four exhibitors—Annie Ragan, $5; Mrs. Z. M. Sexton, $3; Joe Gardella, $2.

OLIVE OIL.—Three exhibitors—Mrs. Sexton, $5; Annie Ragan, $2 50; Joe Gardella, $1.

MOST TASTEFULLY ARRANGED EXHIBIT OF CITRUS FRUIT BY ONE INDIVIDUAL.—Seven exhibitors—Ella Wilcox, $10; Joe Seconi, $7 50; Mrs. James C. Gray, $5.

LARGEST EXHIBIT OF ORANGES BY ONE INDIVIDUAL GROWER.—Three exhibitors—Joe Gardella, $50; Mrs. N. Calkins, $25.

GENERAL EXHIBIT.—Largest and most varied exhibit by one person—M. V. Roe, $50; W. W. Merrithew, Mesilla Valley, $30; J. Entzman, South Table Mountain, $20.

BEST FLORAL EXHIBIT.—Two exhibitors—Mrs. M. A. Varney, $10; Special $10 to Mrs. Varney; Thermalito Company, $5.

TOBACCO.—Five exhibitors—C. De Bock, $5; Joe Entzman, $3; Joe Freydt, $2.

LARGEST DISPLAY OF MINERALS.—A. Heckart, $10; M. V. Roe, $5.

POTATOES.—Fifteen exhibitors—J. H. Hoad, $5; E. C. Bowers, $3; Henry Covert, $2.

MELONS.—Three exhibitors—A. Heckert, $2; M. V. Roe, $1.

COTTON.—Seven exhibitors—J. J. Sanders, $2; Mrs. M. A. Varney, $1.

RAISINS.—Sixteen exhibitors—C. H. Leggett & Son, $10; C. L. Durban, $5; Henry Preston, $2 50.

PRUNES.—Seven exhibitors—Jesse Wood, $5; J. S. Hutchins, $3; B. Russell, $2.

FIGS.—Eighteen exhibitors—White Adriatic, C. H. Leggett & Son, $5; R. Parker, $3; Mrs. A. S. Hendricks, $2.

BLEACHED FRUITS.—Six exhibitors—S. L. Skillin, $10; Jesse Wood, $5; M. V. Roe, $2 50.

SUN-DRIED FRUITS.—Twenty-four exhibitors—M. V. Roe, $5; B. Russell, $3; Joe Entzman, $2.

ALMONDS.—Fifteen exhibitors—R. Parker, $5; I. L. & R. Mansfield, $3.

WALNUTS.—Twelve exhibitors—W. W. Merrithew, $5; W. M. Pence, $3.

CHESTNUTS.—Three exhibitors—Ole Lund, $3; Joe Daniels, $3.

QUINCES.—Eight exhibitors—S. Simonson, $2; L. N. Eyler, $1.

GRAPES.—Five exhibitors—I. L. & R. Mansfield, $5; George Spitzler, $2.

APPLES.—Forty-four exhibitors—P. H. Perry, $15; W. M. Pence, $10; J. H. Hoad, $7 50; M. V. Roe, $5; E. P. Zink, $3.

PEARS.—Seventeen exhibitors—M. V. Roe, $5; L. N. Eyler, $3; G. B. Rogers, $2.

POMEGRANATES.—Seven exhibitors—R. Parker, $3; W. W. Merrithew, $2.

PERSIMMONS.—Twelve exhibitors—W. M. Pence, $5; Mrs. H. C. Bell, $3; M. V. Roe, $2.

PRESERVES AND CANNED FRUITS.—Thirteen exhibitors—Mrs. Dr. Bussy, $15; M. V. Roe, $10; Mrs. A. S. Hendricks, $7 50.

Most Tastefully Arranged Exhibit.—Mrs. S. S. Boynton and Mrs. H. C. Bell, $40; Argonaut Parlor, N. S. G. W., $20; Golden Fleece Parlor, N. D. G. W., special prize, $20.

Largest number of budded orange trees planted in orchard by individual exhibitor during the year 1888—Daly & Sargeant, $20; R. C. Chambers, $10.

Special premium offered by E. W. Fogg and D. K. Perkins—Largest and best exhibit of oranges in excess of ten thousand, by individual producer—Joe. Gardella, $100; Mrs. N. Calkins, $100.

Special prize, $25 to Palermo Company—Display of citrus and deciduous fruits, plants, and flowers.

Special prize, $25 to Thermalito Company—Display of ornamental, shade, citrus, and tropical trees.

Pumpkins.—John Raferty, $3; J. E. Allen, $2; J. N. Howard, $1.

Alfalfa Hay.—W. M. Pence, $2 50.

Popcorn.—A. Parish, $2; A. Heckart, $1.

Hops.—Frank Cress, $2; David Whipple, $1.

Beans.—C. L. Yetter, $2; H. Wright, $1.

Strawberries.—Robert Frisbee, $2 50.

Sugar Cane.—Mon Ming, $2; R. C. Grubbs, $1.

Beets.—G. R. Hill, $2.

Sugar Beets.—George Peters, $2.

Peanuts.—J. S. Hutchins, $2; I. L. & R. Mansfield, $1.

Green Tomatoes.—B. Russell, $2; Joe. Gardella, $1.

Egg Plant.—H. Covert, $2.

Oils and Extracts from Citrus Fruits.—Norton & Ekman, $5.

Seedling Date Trees.—Mrs. W. Elliott, $1.

Seedling Orange Trees.—Christman & Hilton, $2 50.

Honey.—F. Peters, $1.

California Woods.—A. Heckart, $5.

Vegetables.—W. A. Coates, $5.

Licorice.—Wm. Dunstone, $2.

Largest Single Orange.—Mrs. E. Breslauer, $1.

Gold Quartz.—McMillan Bros., $3; E. W. Fogg, $5; M. H. Morgan, $5.

Olive Oil Press.—Mrs. Sexton, $5.

## OPENING ADDRESS.

DELIVERED AT THE SECOND ANNUAL CITRUS FAIR HELD AT OROVILLE, BUTTE COUNTY, CALIFORNIA, DECEMBER 18 TO 22, 1888.

By Hon. A. F. Jones, of Oroville.

In presenting Mr. Jones, Hon. John C. Gray made the following remarks:

Ladies and Gentlemen: We meet here to-night for the purpose of opening the Second Annual Citrus Fair of Butte County. It is, indeed, a beautiful sight! All around, and on every side, artistically displayed, are the citrus fruits of Oroville and vicinity. It is no wonder that those who have been absent from this place for a few years fail to find words to express their wonder and their admiration. We, who have lived here all along, are amazed at the result of our united efforts.

But it is not for me to utter the words that are to bid you welcome here to-night. I will introduce to you, for that purpose, one who was and is the leader in making this marvelous change; one whose energy and good sound business judgment woke our people to the fact that we live in a land, the fairest on earth. I have the pleasure of introducing to you Hon. Albert F. Jones:

Mr. Chairman and Citizens of Butte County: In extending in your behalf the courtesies of Oroville, and a hearty welcome to those who have come from abroad to witness this exhibition, and ascertain by personal observation whether citrus culture is an experiment simply with us, or whether it has progressed to a realized success, I beg leave to call your attention briefly to the history of the growth of this industry in this section of California.

It was prior to the year 1860 when the semi-tropic nature of our climate attracted the attention of the residents of Bidwell's Bar and caused an ex-

Judge of this county to plant there a two-year old seedling. Though twice subjected to the hardship of a change of location, that tree flourishes to-day, and yields an average annual crop of about two thousand oranges. It has stood the test of our most rigorous winters for thirty years, and to-day it is not far from a correct statement that one half of the trees now in full bearing around us have been grown from the seed of the fruit of the Bidwell Bar tree. It may seem somewhat strange that people of Butte County have been so slow in accepting the conclusion arrived at by the planter of that tree, and that the culture of the orange, lemon, and lime as a commercial proposition commenced sooner. But you must remember that a young and thrifty orange tree sold in Oroville but five years ago at $5 per tree, and the consequent expense of an orchard would have been enormous. Again, ours were a people whose minds looked not to the golden fruit, but to the gold of the earth for fortunes. The miner was used to his pick and shovel, and cared only for fruit as his gold dust could purchase. The abundant yield of wheat, barley, and oats furnished quicker returns to the farmer, to whom the culture of the orange seemed a thing for southern climes only. The cattle man dreamed only of his herds on a thousand hills for wealth, and the merchant found his dreams satisfied by an overflowing till. The older citizens contented themselves with planting trees for ornamental purposes, and were surprised, as time rolled on, to find that "Beauty had became the bride of use," and the town of Oroville a perfect orange grove. With it the lime, lemon, citron, pomegranate, and olive yielded a rich harvest, and the question now is not "What can be produced here?" but "What is it we cannot produce?"

In 1886 the twenty men who resolved to make an actual test of orange culture on a large scale even doubted their success; but in this pavilion you will find from their young orchard specimens of fruit that defy competition. The work of the Oroville Citrus Association is accomplished. It has demonstrated the unrivaled superiority of the soil and climate for citrus culture; it has lessened the cost of planting orchards; it has increased the population of your county; it has caused to be builded, like magic, the flourishing colonies of Thermalito, Palermo, Rio Bonita, and Villa Verona; it has given confidence to the older settler, and new homes of modern build and attractive and permanent improvements attest his intention to live the remainder of his days within its confines.

In 1885, at the Citrus Fair held at Sacramento, Butte County was awarded the first prize, the following year the second only, because the narrow space confined her exhibit where she could not properly compete.

One year ago to-day, in a canvas pavilion on this spot, we had an exhibition that had never been equaled, and which was said to be too grand to be excelled. Such prophecies were false, for we have before you here an exhibition that surpasses it in every way. Look around you. Palermo's villa, golden-crowned, and embowered with flowers of spring time, flourishing here at Christmas, greets you on the east; Messalia's bounties on the north, with Bangor, Wyandotte, and Honcut; on the south Thermalito's tropic bower, with flowing springs and numberless palms, aids to completely surround the pagodas, columns, and pyramids of Oroville; while west of all, guarded on each side by the sons and daughters of the Golden State, rises the cross upon the rock of ages, and reminds us that faith in the land in which we live, and unceasing labor for its advancement, is the cross to which all good citizens should cling, imbedded in a foundation not made of shifting sand or wavering faith.

Within this inclosure is an exhibition which (stop and think) the whole of Europe could not produce material for, even though she called together

the olive from sunny Italy; the grape from the vine-clad hills of Germany; wheat and grains from Russia; the orange, lemon, and lime from the Mediterranean shores; canned, preserved, and evaporated fruits from other sections. And yet, with all these, we have not yet exhausted our resources. What country is it other than this, that will enable successful propagation of the cherry and the orange side by side? Where the almond, walnut, and chestnut of Italy and America grow in one yard with the banana, bamboo, pomegranate, fig, olive, and vine, and the peach, pear, quince, apple, nectarine, tobacco, and melons find congenial soil.

Let us not rest in our endeavors to fully test to its utmost the resources of our county. Foreign capital will soon assist us; the great trunk railroads of the East are pointing this way. To-night, as I speak, I see their agents listening with interest, and he who now makes two blades of grass grow where but one flourished before, is building wisely, not only for himself and his people, but a rich heritage for those whose welfare is great to him after he has gone.

We shall go through this world but once. If there be any good we can do, let us do it now, for we will not pass this way again.

In conclusion, I bid a welcome to all our visitors in behalf of Oroville, and then open this exhibition for your thorough inspection and earnest criticism.

## SPEECH OF J. W. BRIER, Jr.

Ladies and Gentlemen: It is not within the compass of words to exaggerate the beauty and grandeur of all that we behold. Oroville, her dooryards attractive in the garniture of lawn and December blooms, and aflame with golden orbed fruit; rejoicing, especially, in the unexampled brilliancy of this exhibition (reminding one of the sun rising under a snowy cloud), may at least challenge comparison with any aboriginal community of Central California. As for those prodigies of the south, whose fame is trumpeted throughout the world, we shall be only too proud if they continue to deserve one half of all that has been spoken in their praise. We cherish neither envy, nor aversion, nor unbecoming pride. We do not resent the prosperity of any part of our beloved commonwealth. We are for "the country, the whole country, and nothing but the country." We cannot consent to any plan of partition, and we desiderate soundness of judgment in those who would alienate its affections, or disturb the perfect harmony of its pursuits.

The gentleman who opened the exercises on yesterday evening hinted at a line of thought that I shall take the liberty of pursuing. Confessedly unique as is the arrangement of this exposition, reflecting especial credit upon the Directors, against whom for a lengthened period the elements were at war, I could have wished that the pavilion, first attracting the eye of the visitor, had given place to the oriental pagoda, second in the central line of display. This arrangement would have been in keeping with the chronological record. The first design, a model of decorative taste, is of an architecture introduced to the Valley of the Ganges by the Arabian conquerors. And this was the first stage reached by the migratory orange in its progress around the world. From two species—the sweet and bitter oranges of Southern China and the Burmese Peninsula—have sprung more than fourscore varieties, cultivated alike for the singular beauty of the tree, and the commercial value of its fruit. Hence, yonder pagoda (whether Chinese or Japanese I am not called upon to decide) is readily suggestive of the birthplace of the orange, as the Indian pavilion is of its wonderful

migratory career. To-day the hills of Northern India abound in wild orange trees, massed in the heated jungle or dispersed in picturesque groupings on sloping upland or brow or beetling cliff.

Just before us, as you see, is an Egyptian obelisk. It was in the ninth century the Mohammedans transplanted the orange to Egypt and Arabia the Happy. In the century following it found its way to Macedonia and Sicily. It accompanied the Saracenic conquerors into Spain and Africa. The returning Crusaders introduced it into the genial soil and atmosphere of southern France. In the fifteenth century it was brought to Italy by the Genoese navigators; and, from these countries it has, like much that is good and nearly everything that is bad, found its way to this extreme margin of the western world. Just beyond the obelisk you are attracted by the graceful, airy proportions of a modern summer-house, with its genuine lawn, fresh and vernal, transplanted from Thermalito itself. Very near it is a miniature orange grove, with its cottage and parterre, such as any modest family may reasonably hope to possess. At the extreme western limit of this lofty pavilion blazes the Star of Empire, and beneath it, nearly touched by its rays, the words, "Rock of Ages," are bent over the all prevailing symbol of the modern world. That symbol seems to create an atmosphere peculiarly its own; and when the choir within its precinct discourses anthems and melodies of sweet and solemn measure, the soul of the listener goes out on these sublime and winged words:

> "His praise, ye winds, that from four quarters blow,
> Breathe soft or loud, and wave your tops, ye pines,
> With every plant, in sign of worship wave."

It is, indeed, a magnificent tribute to the sovereign grace and virtue of our holy religion. It is a good omen, a happy auspication; and we readily accept it as among the things we could have most desired.

We are grateful for this touching, reverent, and dignified expression of a thought uppermost in the mind of every genuine man. It is confession and offering in no mean or sinister spirit. It proclaims that religion is at once the strength and ornament of our social order—its chief cornerstone, its pillar, and its Corinthian capital.

I should here, perhaps, resume my seat; but I am reminded by other symbols and allegorical representations, that we are, at last, in the "heart of the citrus belt." We have before our eyes the story of progress, from rudeness to refinement; from the imperfect conditions and appliances of a mining population to the early pledges of that prophetic period on whose threshold we stand to-night. We are passing from youth to maturity. The Pioneers are dropping away like over-ripened fruit, and the first generation of the "Sons and Daughters of the Golden West" advancing to the stations so long and worthily filled. We predicate our belief in the unexampled future of California on the advantages of soil and climate. The products here on display owe their superiority to peculiarly favorable conditions. You will bear witness that oranges, lemons, pomegranates, persimmons, grapes, figs, and prunes, walnuts, apples, and almonds, rutabagas, and potatoes flourish under similar conditions—flowering under the same sky and drawing their flavors from, substantially, the same soil. Yet it is a mistake to presume that we may plant in a gravel bed and reasonably hope for the best results. In the West Indies, where the soil is rich by nature, guano and other valuable manures are freely applied, and the harvest seldom fails to justify this previsional liberality. The soils of Joppa, Egypt, and Cashmere are opulent, watered by great rivers or fertilized by the mists of the Mediterranean, yet fail not to receive the provident atten-

tion of the orchardist and gardener. We only require what other countries have not wholly failed to supply—a fair system of remuneration. We require, too, sub-irrigation, that the tap-roots may be invited to reach down into the region of perpetual moisture. The imperative demands fully met, we may confidently expect to give the world oranges unrivaled by anything hitherto known in either hemisphere.

Climate, about which we have heard so much, is everything. It is undeniably hot where the long summer matures and ripens the citrus fruits. A visitor in one of the towns of Southern California, while mopping his brow vigorously, suggested to an enthusiastic native that it was hot. "Hot!" was the answer; "we require heat to bring our oranges to perfection." Certainly. Yet, with us, it is not a life-destroying heat. It is singularly dry, and decidedly unfavorable to those varieties of scale that require humidity as a condition to their rapid propagation and tenacious hold.

While, in New York, Chicago, and St. Louis dogs go mad in the days of August, and man himself succumbs to the nineties, we here invade the open air without precaution when the mercury rises to one hundred and ten.

A prejudice has long prevailed in Europe that even the olive will not be productive more than fifty miles from the sea. We have proved that this elegant tree will yield a bountiful harvest more than a hundred and fifty miles inland; and that it will attain the stature of a forest tree.

That malarial fevers are known wherever the climate is warm and irrigation is practiced, no one will have the hardihood to deny. Whoever heard that the growth of St. Louis or New Orleans was retarded by the presence, in profitable quantities, of calomel and quinine? I am satisfied that, especially in a country like this, the health conditions are in the hands of the people. With less of surface irrigation and an approved system of sewerage, no prevalent disorder is to be feared, while the prospect will steadily improve, until proximate perfection will be attained.

After all, the ardent summers of Central California have their correspondence in the "ethereal mildness" of its winters. Spring, with us, is so far from being the poet's dream, that it is, infallibly, a factor in the economist's calculation. As I remember, it was near the City of Nice, in 1789, an orange tree whose trunk filled the embrace of two men, their fingers touching, was killed to the roots by an unexampled visitation of cold. We know how Florida has suffered in the same unexpected way. Here the tender fruits ripen before the advent of the crisping rime; before even the trees have fairly begun to shed their autumn leaves. Rarely, even at a later period, are the pools sheeted with a transparent film of ice.

Before retiring, permit me to touch lightly, the very weighty subject of culture. I observed, in a number of the seedlings at my own door, an apparent effort to develop the mark that distinguishes a Washington Navel, as much as any peculiar mark may be said to distinguish a human being. I asked myself, whether, in that Edenic garden, whose good things are presumed to have had so wide an embrace, the Washington Navel was not the autocrat, if not, indeed, the sole original. It occurred to me that, under the superior culture of our day, the Oroville seedling may yet be made to surpass the great and pampered favorite of the connoisseurs. All this may be fanciful; but, I am content to rest the case, by referring you to the wonderful results of artificial selection. Doubt and infidelity, offspring of ignorance, are no longer in the field. Evolution is a supreme fact in the world of horticulture. Now, with such a vigorous stock, I may say, with a native product so eminently good, what may we not anticipate? Add to this a certainty that, under conditions that have done so much for the seed-

ling, choice varieties cannot fail to improve the qualities that have won their fame.

Nowhere do soil, climate, the aspects of nature, and conditions already achieved so happily unite to draw and hold an enterprising population. Those fortunate circumstances that render life beyond the mountains so great a boon are seriously affected by the rigors of winter and by desolating storms that sweep down through the summer skies. Thousands are looking in this direction, hoping to find more tranquil, if not more prosperous homes. We welcome to our favored land the men and women of toil and wholesome culture, and all who, with means and taste to cultivate and adorn the homes they purchase, are willing to transfer to us those virtues that have so long proved a blessing to the eastern portion of the continent. We would advance to meet them, and extend a Christian greeting, while—

> "They reach these happy fields,
> Gardens, and groves, and seats of living joy,
> Where the pure ether spreads with wider sway,
> And throws a purple light o'er all the plains."

## SPEECH OF E. B. PRICE, EDITOR OROVILLE "MERCURY."

On Wednesday night of the fair E. B. Price, of the "Mercury," spoke as follows: It is not my intention to make a speech; the immensity of the pavilion and the vast throng present render it impossible to be heard. Under the most favorable conditions, language, no matter how eloquently employed, would prove lamentably inadequate to the occasion. The vast aggregation of citrus fruits, so artistically displayed before us to-night, speak with golden tongues of the climate, soil, general productiveness, and incomparable advantages of Butte County's citrus belt. From this eminence, surrounded as we are by a million superb oranges and other fruits tastily arranged, and decorated with the flowers and evergreens of the season, the scene is one of such transcendent beauty and grandeur that the observer is bewildered with admiration, and language seems insignificant. But, for the information of strangers present, I will state that in this great county there are about one thousand square miles of foothill territory, abundantly watered by the three branches of the Feather River, all of which is rich gravelly soil, splendidly adapted to citrus and deciduous fruits. Of this magnificent territory Oroville is the citrus and geographical center. She is the queen city of Butte County's citrus belt, and wears a coronet of colonies, destined in a few years to become her rich, populous, and flourishing suburbs. Any ten-acre tract in this princely fruit domain, in which king orange sways his golden scepter, will abundantly support any industrious family, for an acre of oranges at ten years old will produce a net annual income of $1,000. Thousands of acres of this land may be purchased at from $20 to $100 per acre, according to locality and condition. And, ladies and gentlemen, this great section of country is beyond the experimental age. Her destiny is carved in golden letters on the brow of futurity, and its brilliancy dazzles the most soaring imagination. The golden glamour of this, our second annual Citrus Fair, is but a faint glimmering of our golden future flushing with roseate hues the sweet face of Pomona as she smilingly peeps over our horizon into the promised land. The sun of prosperity has arisen upon this favored land where May flowers bloom in December, and fresh strawberries adorn our Christmas feast. There never will be as good a time as the present for the young, the old, the rich, or the poor to secure a home in this land of perennial fruits and flowers. The eyes of the emigrating world are upon

us, and in a few years more the sunny slopes and fruitful valleys of eastern Butte will be dotted with happy, prosperous homes, and the occupation of the real estate agent will be gone, for there will be no more land for sale. To those seeking homes in the most favored section of the richest county in the greatest State of the most glorious republic on earth, I say, get a slice of Butte's citrus belt, with its salubrious climate, pure mountain water, splendid health, and if their lot isn't all they desire, nothing short of Paradise will suit.

# FOURTEENTH ANNUAL REVIEW

OF THE

## Raisin, Dried Fruit, Prune, Almond, Walnut, Peanut, Comb and Extracted Honey Product of California, for the Year 1888.

By George W. Meade & Co., San Francisco.

The year 1888, now about closing, has been an auspicious one for California, and great prosperity has existed throughout the length and breadth of the State. It has not been a superficial prosperity, but one that has been founded on merit and based on a soil and climate which produce the fruits, the wines, and the grains of the earth in abundance. There is not, to-day, in all the broad United States of America, or in any section of the world, a community of people so thoroughly well-to-do and so prosperous, generally, as the people of the favored State of California. In no other country does the rich man live any better, if as well, and in no other country is the working man so well fed, so well paid, and so well clad as in this genial climate of the Golden State.

When we read of the blizzards, the cyclones, the long six months of winter which cover the Eastern States, and in which simple "existence" becomes a fight to the poorer classes, it is with pride and with pleasure that we turn to the condition of the working man of California. The opportunity which this State offers to the poorer classes of the overcrowded eastern country in making themselves comfortable and happy homes is being availed of now quite freely. No one who witnesses the wonderful immigration to this State can for a moment doubt the advantages which it offers, and, to any one having a knowledge of California, this is not at all surprising.

The products of this State are not confined to corn, nor to wheat, but they combine the products of fruits and of cereals, both of the temperate and tropic zones of almost every nation on the face of the earth, so that the hastening of the poorer classes to make their homes in this State causes no surprise. Throughout California there are still hundreds of thousands of acres of fine lands suitable for the cultivation of the raisin, the almond, the walnut, the fig, the grape, the prune, as well as peaches, pears, apricots, and in fact almost everything that can be grown anywhere. The industrious poor man who is thrifty, on ten or twelve acres can make himself a comfortable and delightful home in this favored State. He will have no long winters to look forward to; no cyclones, no blizzards, no thunder, no lightning, and no sunstrokes.

While California is now developing her natural resources faster than ever before known, what the future of this great State will be twenty-five years from now no one at this moment dares to say. With the exception of New York, that it will be the most wealthy, and perhaps the most populous State in the Union, does not admit of much question. We cannot ourselves see how it can be otherwise.

The great fruit industry, perhaps, is increasing faster than anything else; and the greater the product, the greater the demand and the greater the consumption appears to be for our California fruits in every portion of the Union and in every portion of the outside world. Hence there is no possibility of overdoing the matter.

California, with open hands, invites the thrifty, sober workingman from all portions of the world; and she invites the rich man who, with his money, seeks a delightful climate in which to pass his remaining days.

In this, our fourteenth annual review, which we have prepared with our usual care, we give the products of the State for this year, in our line, which have been carefully compiled after correspondence with our representatives in the different portions of the State; and we submit them to the public at large, with confidence in their accuracy.

THE PRODUCT OF 1888.

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| Raisins (20-pound boxes) | 915,000 |
| Honey, extracted (pounds) | 3,000,000 |
| Honey, comb (pounds) | 300,000 |
| Beeswax (pounds) | 20,000 |
| French prunes (pounds) | 3,000,000 |
| German prunes (pounds) | 100,000 |
| Apples, sun-dried (pounds) | 100,000 |
| Peaches, sun-dried (pounds) | 2,000,000 |
| Plums, sun-dried (pounds) | 200,000 |
| Pears, sun-dried (pounds) | 25,000 |
| Grapes, sun-dried (pounds) | 2,000,000 |
| Nectarines, sun-dried (pounds) | 100,000 |
| Apricots, sun-dried (pounds) | 100,000 |
| Figs, sun-dried (pounds) | 75,000 |
| Apples, evaporated (pounds) | 250,000 |
| Apricots, bleached (pounds) | 2,500,000 |
| Peaches, bleached, peeled (pounds) | 400,000 |
| Peaches, bleached, unpeeled (pounds) | 2,200,000 |
| Plums, bleached (pounds) | 40,000 |
| Nectarines, bleached (pounds) | 60,000 |
| Walnuts (pounds) | 1,000,000 |
| Almonds (pounds) | 450,000 |

*California Raisins.*—We place the product of 1888 at nine hundred and fifteen thousand boxes, and as to points of production distributed as follows:

| | |
|---|---|
| Fresno District (boxes) | 415,000 |
| Tulare District (boxes) | 15,000 |
| Orange and Santa Ana District (boxes) | 40,000 |
| San Diego District (boxes) | 40,000 |
| Woodland District (boxes) | 90,000 |
| Riverside District and San Bernardino (boxes) | 290,000 |
| Scattering—Yuba, Butte, Sacramento, Placer, etc. (boxes) | 25,000 |

The raisin campaign of 1888 has, as a whole, been a very favorable one to both producers and packers. During the most of the drying season the weather was most propitious, which enabled the growers to deliver their raisins in sweat-boxes in a proper condition for packing. The out-turn, however, was not as large as estimated earlier in the season. The Malaga crop of raisins this year was also short and likewise rain-damaged, which necessarily caused light shipments to New York from Spain, and the California raisin consequently reaped the benefit. The quality of many of the packs of California raisins, we are pleased to state, shows a great improvement on former years. In fact, some of the best known brands were equal and sold fully up to the price of the very best Malaga in New York and other eastern markets. There is and can be no question now that the California raisin has come to stay; and as the writer of this article

predicted a number of years ago, the time is now rapidly approaching when the Malaga raisin will be almost, if not entirely, driven from the American markets.

Fresno is now the great raisin-producing section of the State, and, as usual, heads the list in point of production. The Fresno section, on account of its climate and freedom from fogs, is also about a month earlier than most other sections of the State. This industry at that point is developing year by year wonderfully; and Fresno raisins, which a few years ago were unknown, are to-day in demand in the various markets of the United States. This year is also notable as having made the first shipment of raisins to Europe, the goods having been sold to London, England. While the quantity was small, it was an opening wedge, and business is likely to increase there from now on. The question is sometimes mooted that the raisin industry of California might be overdone. We do not think so. The fact of the case is, that the more the production increases the greater the demand seems to be. It is not a very long while since raisins were looked upon in the light of a very great luxury, and were only used by the rich; but to-day they are being more universally used; and the consumption is steadily increasing year by year, as the price, of necessity, naturally becomes cheaper. Now that all first class packed raisins in California are well established in the eastern markets, it is to be hoped that our packers the coming year will not pursue the senseless policy which seems to have guided them, to a large extent, in the past, but will hold their goods, which equal the Malaga, at a price which is equal to the Malaga, and not anywhere from 10 to 40 per cent under the figures obtained for the Spanish product. There is no reason now whatever for doing this. There might have been some reason when California raisins were first introduced, but that time has now gone by. A first class California raisin is equal or superior to anything that now comes from Spain; and when our packers realize this, and demand for their goods an equal price for an equal quality, they will get it; but just as long as they throw their goods away and climb over the backs of one another to see who can sell the cheapest, just so long will the eastern wholesale jobber go into New York and pay a fancy price for a Malaga London Layer, and then offer a ridiculously low price for a California London Layer, which in every respect is as good or better. The imitation of foreign wrappers is being generally discarded, and something more distinctively Californian is being used year by year, which is a very pleasing fact to note. We wish, however, that our packers would agree, which we think could easily be done at a meeting, to drop entirely the terms 3 Crown Loose, or 3 Crown London Layer, and to adopt something more distinctively Californian or American. The bulk of the pack of California raisins this year has principally gone East; and at the present time the San Francisco market is almost entirely bare of stock. Especially does this apply to London Layers; and of really choice Loose the supply is also inadequate.

The area producing fine raisins, especially in Fresno County, is still very large; and lands can be bought there for this purpose at very reasonable prices. For any man who is thrifty, and carefully looks after his own business, there can be nothing better than a good raisin vineyard. While a fortune cannot be realized and should not be expected, a good raisin vineyard will pay, if properly handled, a good, fair, and even handsome income year by year. To men of moderate means, a vineyard of twenty to forty acres is sufficient for the maintenance in comfort of an ordinary family.

We append also herewith the product of California raisins from the year 1873 up to and including the year 1888:

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| 1873 | 6,000 boxes. |
| 1874 | 9,000 boxes. |
| 1875 | 11,000 boxes. |
| 1876 | 19,000 boxes. |
| 1877 | 32,000 boxes. |
| 1878 | 48,000 boxes. |
| 1879 | 65,000 boxes. |
| 1880 | 75,000 boxes. |
| 1881 | 90,000 boxes. |
| 1882 | 115,000 boxes. |
| 1883 | 140,000 boxes. |
| 1884 | 175,000 boxes. |
| 1885 | 500,000 boxes. |
| 1886 | 703,000 boxes. |
| 1887 | 800,000 boxes. |
| 1888 | 915,000 boxes. |

*California Prunes.*—The output of prunes this year has been abundant. In fact, we may say that the crop was very large and of very nice quality generally; but the prices realized have been much less than last year. This has been brought about partly on account of the large crop, no doubt, and partly on account of foolish consignments which have been made by many of our growers to eastern houses on commission. After one or two years' experience in this consignment business, we have no doubt our producers will realize that they can always do better by meeting the market at home, selling their goods at the best obtainable price cash, and end the transaction. While many of the parties to whom they consigned East no doubt did the best that was possible, the average commission house has but one object in view after receiving the consignment, and that is to get rid of it as soon as possible, especially if any advances have been made. This leads to constant cutting and competition between these commission houses, a consequent reduction in price, and an ultimate loss to the shipper. With the excellent quality of the California prune, with its established reputation now throughout all of the great western cities, there is no reason whatever why these goods should be sold at the ridiculous prices at which they have been sold this year in eastern cities. No change, however, can be expected as long as these consignments continue. The California prune is a better fruit in every way than the French. It is of better quality when cooked and of better flavor. It is more like a date; and the far western trade, which have used them largely in the past few years, we believe prefer them at higher prices than the imported goods. This year a French "process" was introduced here with a result that the color of the prunes so "processed" were changed so as to imitate the French goods. While, of course, the fruit looks nice, in what way it is made any better, or of any more value, it is not easy to say. The natural French prune of California as it grows and as it is cured, without any "processing," is one of the choicest and best fruits that grows on this green earth. To doctor it and "process" it to make it black like the French fruit does not add one mite to its real merit. In fact, it greatly detracts, in our opinion. It may be that some dealers will pay more for a few of these processed prunes because they imitate the French; but we do not believe that the mass of the consuming public want them in that shape, or that they will pay as much for them as they will for the natural California prune. Year by year the grading as to sizes is being improved upon; but there is still a great deal of room for improvement in this respect. A packer who grades his fruit straight 60 to 75's to the pound, finds it difficult to compete with his neighbor who puts up his fruit running 70 to 100 to the pound and stencils it on his boxes 60 to 75's to the pound. The Santa Clara Valley may still be considered the home of the California prune, although many other new sections of the State are now producing fruit of an equal quality. There is room for any amount of expanse in the prune business; and California has tens of thousands of acres adapted to its industry.

*Evaporated Peeled Peaches.*—The prospect of a large Delaware crop this year discouraged the California packers early in the season, and the quantity turned out was probably not one fifth of what it otherwise would have been had not the reports from the East been so unfavorable. As a rule, however, this fruit this year has run very nice in quality; and the bulk of it has already been placed East. The stock left here is a mere nothing, and a very trifling demand would clean it up in very short order. Prices that have been realized this year we do not think have been at all satisfactory to the producers, and in many instances have only shown a loss. Taking the loss in weight and other expenses into consideration, it takes at least 20 cents per pound for the dried product to pay even a fair profit to the producer. The goods have sold this year all the way from 12½ to 17 cents, according to the quality.

*Evaporated Bleached Apricots.*—The product of this fruit last year being large, it was thought that the crop this year would be shorter; but so many new orchards coming into bearing upset these calculations, and there was a very heavy out-turn. Besides this, as mentioned elsewhere in our Review, nearly all sun-dried apricots are now bleached. The quality of the fruit turned out this year generally has been very nice. Of course some lots are better than others. The prices last year ruled high, and purchasers generally lost money on the goods. The result was that this year the market opened dull, and has remained so ever since. This brought about a large consigning business to the East on the part of our growers here, many of whom, no doubt, now regret these shipments. Notwithstanding the tremendous increase in the apricot product of this State year by year, the demand appears to keep pace; and at reasonable prices there is no prospect whatever of overdoing the business. The demand for apricots in a canned state is very heavy, and there is never any difficulty in working off any surplus of all that may be dried at fair prices. So heavy have been the consignments East this year, that the stock of choice apricots now left here is exceedingly light; and parties who have held the goods at home are now realizing in this market prices far in advance of their neighbors who have consigned East. The sale of dried fruit as yet is principally confined to the United States; but shipments are being made from time to time to foreign markets, which generally have been duplicated. If we can once get the California apricot into Europe at a reasonable price, there will be no limit to the consumption.

*Sun-dried Pears.*—Only a small quantity of this fruit this year has been dried; but the demand for pears nowadays seems to be quite light, and the quantity turned out will likely be sufficient to meet the demand. The ordinary sun-dried pears are going out of favor, and the bleached pears are taking their place. We repeat our suggestion—that all sun-dried pears should be bleached.

*Sun-dried Peaches.*—The crop this year has been good, and of exceptionally fine quality. We are now referring to the sun-dried unbleached peaches, in sacks, principally cured by the Chinese. There have been so many of the bleached unpeeled peaches this year that the ordinary sun-dried unpeeled have been dull in sale; and there is a fairly liberal stock still remaining on hand here. Prices have sunk to such a figure that it has been difficult to determine why the goods have not gone more generally into consumption. The prices at which they can be obtained at present are certainly low enough for any one. We are of the opinion ourselves

that January and February will see an active demand for these goods, and that prices will largely advance. The bleached unpeeled peaches of California are more attractive to the eye, but are no better for ordinary consumption; and we doubt if they are as good in a sanitary point of view as the unbleached; but, nevertheless, the bleached sell anywhere from 50 to 100 per cent advance. The bulk of the bleached peaches are now out of the way; and the bulk of the unbleached are now held in pretty firm hands. With the renewed demand which we look forward to after the first of the year, we think prices will again advance. New orchards are being planted continually to the peach throughout California; but the consumption, in the way of dried and canned goods, seems to keep pace year by year with the product. It would certainly be difficult to find a finer peach anywhere than is produced in California.

*Sun-dried Pitted Plums.*—The low prices predicted and ruling on these goods discouraged our farmers from drying, and the output this year has been comparatively light. They are now gradually advancing somewhat in price and in demand. There is no doubt but that we shall go out long before spring with a bare market. The low price of prunes, no doubt, has had some bearing in keeping down the price of pitted plums; but they are really a different fruit entirely. One is sour, and the other is sweet.

*Sun-dried Nectarines.*—One of the finest fruits grown in California, and of the most delicate flavor, is the nectarine. It is unfortunate that this fruit has not been advertised as thoroughly as the apricot; and as a result it has not gone so generally into consumption. In itself, we believe it is equal or superior to the apricot; and while the demand is gradually growing, yet it is still light; and it has been found difficult to place large blocks of these goods, even though they have been offered at a price under the apricot. We hope this state of affairs will be changed in the course of a year or two, as we believe it will.

*Stemless Dried Grapes.*—We note a very heavy increase in the product of this fruit for the past season; and the bulk of it, in fact we might say all of it, has been already marketed. The extraordinary demand which has arisen, principally in the Western States, for California dried grapes, has been somewhat surprising to dealers on this side. There seems to have been practically no limit to the quantity which has been taken. We suppose this has been largely on account of the fruit being low-priced, and partially, no doubt, if we are correctly informed, for the reason that the fruit is being largely sold West as California currants. In any event it has proved a good thing for the growers of wine grapes in this State, as it has enabled them to do considerable better by drying their wine grapes instead of selling to the wine men. In other words, they have not been subjected to any squeezing on the part of the wine makers. The California dried grape is principally made from the Mission and Zinfandel grape, although other varieties are at times dried. While formerly more or less were shipped with the stems on, machinery has now been invented whereby the stems are taken off, in which shape they seem to be the most desirable for the eastern trade.

*Sun-dried Apricots.*—The output of this fruit this year has been exceedingly light. Growers generally bleach their fruit; and we are glad to see this, for the reason that the demand nowadays seems to run almost entirely on bleached fruit of any kind. Dealers appear willing to pay

well for the bleached; and hence our growers are wise in adopting the suggestion that we made several years ago, to bleach all of their fruits.

*California Figs.*—There has been a very fair crop of the black variety this year, which was principally sold to the coast trade. We are also pleased to make mention of the fact that some genuine White Adriatic and White Smyrna figs of California growth have made their appearance in the market this year, which in color and flavor are in every way equal to the imported figs. There are sections in this State where this white fig can be grown to perfection; especially is this the case in Fresno County, which seems to be the natural home of the white fig. We believe that this industry will grow as the raisin industry of California has grown, and that in a few years from now we shall commence to send these figs to our eastern brethren. They thought we could not do much on raisins, but we proved to the contrary; and we believe now firmly that the California white fig will, in time, be as well known in the East as the California raisin is to-day. There is nothing impossible in California.

*Evaporated Apples.*—On account of the discouraging outlook in the early part of the season, and the low prices prevailing in the East, the quantity put up in California this year has been quite light, and before spring we shall be obliged to draw from the East for supplies. A great improvement has been made in packing our evaporated apples; and some of our best brands now, so far as appearance is concerned, are equal to the best eastern fruit. Our trade, however, for these goods, is principally confined to the coast and Australian markets. Evaporated apples put up in the California valleys are not so tart as the eastern apple, but our foothill apples are in every way equal. The old "chestnut" of California apples not being equal to eastern apples is exploded when our foothill apples come into competition with the eastern fruit.

*Bleached Unpeeled Peaches.*—As will be noted by our estimate, the product this year is largely in excess of 1887. This is accounted for partly by the heavy increase in the product of peaches, as well as the fact that producers generally are year by year devoting more attention to the bleaching of their fruit than ever before. Like apricots, the prices have ruled lower this year, and the result has been that large quantities have been consigned East, and in most cases sold at less than the owner could have realized at home. These consignments have pretty well cleaned out the stock here of choice goods; and now anything that is nice is bringing pretty good prices in this market. The demand for these goods is constantly increasing; and, in fact, we think they can now be found in nearly all the large markets of the United States. Being a large and meaty fruit, the California peach is the finest put up anywhere. Their only competitors are the Delaware peaches; but these do not begin, in quality nor in size, to compare on the average with the California goods, though when packed in boxes more care is used, perhaps, than is customary with our California packers. It is likely that we shall go out of the year with a pretty bare market. The out-turn of these goods will increase in quantity year by year.

*California Walnuts.*—The product this year does not vary very much from that of 1887. Prices, however, are considerably lower than last year; and while the quality of our best California walnut is unquestionably equal to the imported, the demand during this season has been sluggish. This

is something that may be expected in some years, and our producers should find therein no reason to complain. The California walnut has come to stay. It is a better nut, when freshness is considered, than the best imported; and the far western trade, we think, prefer them to the imported goods. The walnut industry has not grown as rapidly as some of our California fruit industries, but there is a very wide field. Land for growing them is abundant at reasonable prices; and we see no reason why California, within the next decade, should not supply the United States with all the walnuts they want. The best walnuts—or the most properly prepared for market—come from Los Nietos, in Southern California. Santa Barbara also produced a fine nut; but they have not taken as yet the same pains in grading or bleaching them as their friends in Los Nietos have.

*California Almonds.*—The market this year has been dull and slow for our almonds. The crop was not as large as was expected; but, notwithstanding this fact, the demand from the East, where the bulk of them are placed, has been sluggish in the extreme. The soft-shelled almond of California is a fine nut. It is not as large as the Tarragona imported almond, but it is of softer shell, and for the consumer is the cheapest and best nut to buy. Tarragona almonds are large, coarse, thick-shelled nuts; and the purchaser pays his money for a pretty good percentage of shells. As the California becomes better known, we have no doubt whatever that they will drive out the imported goods. The imported almonds still have a pretty strong hold on the far eastern trade; but the California soft-shelled almonds are generally called for by the far western trade. Like the walnut, the almond industry has not advanced as rapidly as it should; still a great many new orchards are being planted out, and take it one year with another it is a good paying industry. The area that can be devoted to almond raising in California is very large; and lands for this purpose can be bought at very reasonable prices.

*Extracted Honey.*—The output this season fell a good deal short of what was anticipated, which, consequently, made prices much better. The quality, also, is good, and the color especially is much finer; and we have had more extra white honey this year than we have seen for a long time. The honey of California is beyond question the finest produced in the world. Another thing in its favor is that the honey shipped from California is, as a rule, pure. Where adulterations have been indulged in, it has generally been done after the honey leaves this State. There is in fact little or nothing that could be used here for adulterating the honey but that is worth as much as the honey itself. We notice that our suggestion in regard to using new tins and cases is being more generally adopted, and this is to the benefit of the producer. Honey which is put up in that shape will generally bring enough more to pay for the extra cost; and it looks much neater and more tasty in that shape. It is to be deplored that the consumption of pure honey throughout the country is not larger than it now is. The article is cheap enough for any one. It is a wholesome article of food, and can take the place of butter, as well as being used in various other ways on the table. Yet, notwithstanding this, it is only right to say that the sale of honey has been languishing for a number of years. Just why this is, it is very difficult to tell. Pure honey is an article that ought to be found in every household in the country.

*California Comb Honey.*—The output of this, like extracted, has been comparatively light this year; and good prices for choice goods have been

pretty readily obtained. We repeat our suggestion of last year, that the sale of California honey, if packed in one-pound frames, could be very largely increased. Eastern and western dealers are accustomed almost entirely to one-pound frames; and if our honey producers here would change their style of packing and putting up their honey in one-pound frames, we think they would find almost immediately the demand increase two or three times what they are now selling. On some parts of this coast, where dealers generally do not pay much attention to small items, the two-pound frame is all right; but when we come into competition with the eastern honey men, we ought to have our goods in one-pound frames. The stock of both comb and extracted honey here for this season of the year is comparatively light. Large shipments of extracted have been made to Europe on direct orders; and the comb has been principally placed here and in eastern cities. We think we shall go into the new crop with a bare market.

*Sun-dried Apples.*—The evaporated apples have now almost entirely taken the place of the sun-dried in California. What few are now sun-dried are principally the work of Chinamen, but even this class of labor is rapidly abandoning the business. We are very glad to see this, as the evaporated apples are not only cleanlier and better in every way, but are really cheaper in price considering their superiority and the fact that in table use they go a good deal further than the sun-dried, and are consequently in the long run the cheapest fruit to buy. The day of the sun-dried quarter and sliced apple we believe has gone by.

## CONCLUSION.

In submitting this, our fourteenth annual review, we desire to again return our thanks to our many friends in various portions of the State, who have so kindly assisted us in preparing these statistics. While the getting up of these annual reviews entails a good deal more of work and expense than many people would imagine, we always undertake it with a great deal of pleasure, hoping that it may benefit directly or indirectly the great fruit industry of California, as well as the State of California at large.

We are also glad to say that it is now looked upon as an authority in the lines which it covers, and as such is distributed and published generally throughout the United States and in various portions of the world.

# REPORT ON CATTLE DISEASES PREVALENT IN CALIFORNIA.

By Dr. Thos. Bowhill, M.R.C.V.S.

San Francisco, December 17, 1888.

*The Secretary State Board of Agriculture, Sacramento, California:*

In compliance with instructions from Dr. D. E. Salmon, Chief of the Bureau of Animal Industry, I proceeded to investigate the outbreak of disease among the cattle of San Diego County, and have the honor to submit the following results of my investigation:

Arriving at San Diego I found that my written orders, etc., from Washington had not yet arrived, so I thought it the better plan to inform myself of the following points:

*First*—The direction in which the said disease was supposed to exist.

*Second*—The ranches on which said cattle were supposed to be dying.

*Third*—The health and condition of cattle, etc., in San Diego City and its surroundings.

In the course of my inquiries I came in contact with the following gentlemen, and elicited the appended information: The first gentleman I interviewed was Mr. George Selwyn, of the firm of Selwyn & Alison, wholesale butchers. He said: "I have been twenty-three years in this county, and have known of the existence of disease in this county for the past sixteen years, being worse in the last three or four years in the neighborhood of San Diego. Some seasons the disease predominates in one locality. This year (1888) it has manifested itself principally at Warner's Ranch, which is owned by ex-Governor Downey, of California." He also stated that cattle brought from the mountains in the interior of San Diego County during the dry season of the year to San Diego City or any part of the coast, are, from ten to fifteen days after arrival, subject to disease. The disease is of frequent occurrence, and the cattle are slaughtered and used for consumption. He next described the symptoms of disease and the post-mortem lesions, both of which correspond to those of anthrax and southern fever, more particularly the latter.

I also obtained the following information about the hogs, viz.: that a disease made its appearance about two years ago in the pens around the slaughter houses, and although the disease has not been so marked, yet the mortality has been slightly decreased during the last six months.

In 1887 Mr. Selwyn said the mortality reached the enormous number of one thousand head. I asked him if the disease existed at the present moment. He said that he suspected it did. We then drove out to some hog pens near his slaughter house, and I found some hogs running round loose which exhibited symptoms of the last stages of swine plague, and others in pens with the characteristic cough. At my request Mr. Selwyn slaughtered one and I made an autopsy, finding the post-mortem lesions—those of swine plague. I recommended that he (Mr. Selwyn) should destroy the whole of the hogs, which belonged to a man to whom he rented the premises. Mr. Selwyn further remarked that big jaw, or actinomy-

cosis, was occasionally seen, and that black leg, or symptomatic anthrax, was very prevalent a few years ago, but of late years it has been on the decline. Scab in sheep is very prevalent. Mr. Selwyn stated his annual loss from cattle disease was $500.

The next gentleman I interviewed was Mr. Hardy, wholesale butcher, San Diego. He informed me that he shipped cattle in April and May, 1888, to San Diego, and pastured them in El Cajon Valley, fifteen miles from San Diego. The cattle appeared healthy until the month of August, when about 2 per cent died. I am informed that the remainder of those cattle were slaughtered in San Diego. Mr. Hardy also informed me that Mr. Stratton's cattle, also in El Cajon Valley, began to die when he sold the remainder to him (Mr. Hardy), who found on slaughtering them that two were diseased, the spleens being three times their natural size and of a dark color on section. The livers were of a brick-red color and covered with yellow streaks like straws laid across. The kidneys were also diseased, and the flesh, when dressed, was of a bright, yellowish-red color. Mr. Hardy further stated that at least 50 per cent of the cattle within from ten to thirty miles from the coast in San Diego County take this sickness and about 20 per cent of the sick animals die, and appear to be worse between the months of July and December. When asked about the swine plague, Mr. Hardy corroborated Mr. Selwyn's statement, saying that he himself, about eighteen months ago, lost between five and six hundred hogs, which he valued at $2,500.

The next gentleman was a Mr. Cassidy. He stated that he sold his ranch in 1887, but during the preceding ten years his average mortality was about 20 per cent, the money value of which was about $1,000 per annum. He also mentioned the fact that one year his cattle died and his neighbors did not, although they were only separated by a wire fence; the following year his neighbors' died and his did not. Mr. Cassidy also observed the fact that cattle brought from the north to this county do not thrive, but that calves and yearlings throve and did well, also that mountain cattle brought to the coast die, but coast cattle taken to the mountains do well.

Mr. Thomas Alvarado was next interviewed, from Rancho Monserrato. He noticed disease on his ranch about ten years ago. In his opinion it was brought in by cattle from Lower California and Mexico. He lost about sixty head last year, and his neighbor, H. H. Green, lost over one hundred head; the cause of death, in his opinion, being southern fever. He first noticed this disease about eighteen years ago, directly after Judge Weatherby brought in two hundred cows from Arizona and gave them to C. Thomas, on shares, at the Hermit Valley. His opinion is that the disease originated from said importation. His brother, D. Alvarado, of Cuerro, lost over sixty head last year, and considered his losses due to southern fever.

My written instructions having arrived, I left next day for Warner's Ranch. I may here state that I had the greatest difficulty in getting my questions answered, and a good many of the answers were calculated to mislead and perplex me. It was almost impossible in many instances to obtain dates. On arrival at El Cajon I heard that at present there were no deaths or sickness among the cattle. On the Santa Maria Ranch I found they had lost a few head, and here I interviewed a Mr. Johnstone, who lives seven miles above this ranch. He informed me that he had, in 1883, lost twenty head of cattle out of a total of sixty head, which loss he attributed to southern fever.

I arrived at Balena, and left next morning for Warner's Ranch, and on my way I passed through the Santa Ysabel Ranch, which adjoins Warner's. I found they had lost nine or ten head of yearlings with black leg. At Warner's Ranch I found out Mr. Linton, the manager, was not at home, having gone to Julien, intending to continue his journey next day to San Diego. In course of conversation with one of his men I was informed that they had lost over one hundred head, and that they had ceased dying a few days before my arrival, and shortly after the first frost, therefore I could not make an autopsy. I decided to go to Julien and see the manager and personally interview him. Mr. Linton confirmed the statements made by the man seen in the morning; he also added that he purchased some cattle from the San Felipe Ranch which adjoins the Warner Ranch. A little later ex-Governor Downey, of California, and owner of the Warner Ranch, bought four hundred Chihuahua steers shipped from Mexico to Colton by a man named Strausenbach; and said cattle were delivered by the aforesaid Strausenbach on the Warner Ranch; a short time after their arrival the natives began to die. Mr. Linton ascribed their deaths as due to the arrival of the San Felipe cattle. I found out, however, that the other half of the San Felipe cattle were bought by Joseph Marks, of Julien, and removed to San Bernardino, remained perfectly healthy, and as yet caused no disease among the cattle at San Bernardino, whereas some of the San Felipe cattle on the Warner Ranch died, as well as some of the Warner Ranch stock shortly after the advent of the four hundred steers from Colton, none of which died. Mr. Linton said the fattest and best animals went first, whilst others lingered for days, some recovering. On opening some of the dead cattle he found the spleens enormously enlarged, the livers also, and of a brick-red color; the gall-bladders enormously distended and full of dark, green inspissated bile; he said there was absence of any dark stain to the flesh, which was, if anything, brighter than usual. The Indians and half breeds devoured the flesh of all that died, without as yet having experienced any bad effects, which, in my opinion, could scarcely be possible had it been anthrax, as Mr. Linton supposed. Mr. Linton owned to having lost one hundred head, but I am inclined to think he underestimated his loss, as his nephew informed Mr. Bishop, his neighbor, that they had sold one hundred and fifty hides, and that others were missing—placing the loss in his opinion between one hundred and eighty and one hundred and ninety head.

From Julien I went to Cuyamaca (Governor Waterman's ranch), and on arrival was informed that a valuable bull had died that morning. It was buried. When I had it disinterred and made an autopsy, I found the post-mortem lesions that of southern or Texas fever. I made a microscopical examination of the liver and spleen by means of cover-glass specimens. The microscopical examination confirmed the microscopical diagnosis. The foreman, Mr. B. W. Carey, said: "We have lost in all twenty-one head. We shipped cattle from the Penasquitus Ranch, on the coast, to San Bernardino, by car, in April, 1888. They remained there three months. In July, 1888, we reshipped them with others back to the Penasquitus Ranch. In about two weeks after their arrival two deaths occurred. We then started the cattle the next day for the Cuyamaca Ranch, going through by way of Poway and El Cajon. On arrival at Cuyamaca three died the same night; then two died. They all exhibited the same symptoms." Mr. Stratton's cattle, pastured in the El Cajon Valley, commenced to die after Governor Waterman's passed through. I must refer you back to Mr. Hardy's testimony, in which he says he bought Mr. Stratton's cattle, and on slaughtering them found two showing the post-mortem lesions of south-

ern fever; and also that his own cattle pasturing in the El Cajon commenced dying in August. Now, the Governor's cattle passed in the end of July. It would appear from this evidence, if correct, that the Governor's cattle were the means of causing the infection at Poway and El Cajon, and that they, without a doubt, carried the infection to the bull that died at Cuyamaca.

In connection with those cattle I must state that yearly deaths take place at the Penasquitus Ranch. It is a peculiar fact that none of the cattle taken to San Bernardino from Penasquitus died, but that the deaths took place two weeks after their return to Penasquitus with other cattle, which I was informed by Governor Waterman's son came from their San Bernardino dairy. It is well known that deaths have occurred close to Colton, which is two miles from San Bernardino, from southern fever, and it may be that the Governor's cattle crossed a trail and became infected or caught the contagion on the cars on the return to Penasquitus. But these being native cattle would not possibly infect Hardy's and Stratton's unless some southern cattle were mixed in the herd. It is also a fact that the bull that died at Cuyamaca was raised on the Cuyamaca Ranch, and that no deaths occurred until the arrival of the herd from Penasquitus. I am informed that the original stock of those two ranches were brought in by Colonel Taylor from New Mexico, Iowa, and Kansas. I also examined the remainder of the herd and found only one sick cow, which was killed, and the post-mortem revealed a case of tuberculosis.

Leaving Cuyamaca I commenced to trace up the infection on Warner's Ranch, and on my way passed through the San Felipe Ranch, which adjoins Warner's, and found they had lost five head of cattle, and in one day thirty sheep, which the owner claimed died from the eating of a certain weed. He also informed me that black leg was of annual occurrence on his ranch.

Leaving here I passed through Warner's for the second time, and went through the center of the four hundred Chihuahua steers, all of which seemed in good condition, as were also most of the natives, no more deaths having occurred since my first visit. Taking up the trail of the Chihuahua steers, the first place I came to was Oak Grove, and Mr. Studebaker informed me that those Chihuahua steers passed through his place, and up to the present no deaths had occurred, but one of his cows was sick, exhibiting a prominent symptom of southern fever. I informed him what to give her, one of the Warner steers having mixed with his herd. From here I proceeded to Temecula, and found that numerous cattle had died around the town. I interviewed the following gentlemen: Mr. E. J. Tolan, who stated that he lost one heifer three weeks after the Warner steers came through; two years ago he lost thirteen on the same trail. Mr. Nichols has lost ten or twelve head this year; Philip Cusis, five; Hutchinson, twenty, and most of his herd has been sick. He opened some of those that died, and found the gall-bladders enormously distended and full of dark, inspissated bile, and the spleens also enormously enlarged. All those he opened presented similar appearances. The first animal that died was his best and fattest cow; it occurred about the middle of July, 1888. Previous to that some southern steers were seen in the hills, and two of these mixed with his herd, and were with them for several days. Mr. Linton, manager of Warner's Ranch, informed Mr. Hutchinson that those Chihuahua steers were scattered from Colton to his ranch, some thirty or forty being missing. Mr. Gregor, of Nigger Cañon, lost ten head, some of those steers also having appeared around his place. Mr. Brady, three miles from Temecula, lost fifteen head. He said that Warner's steers came

through in August, and that his cattle died before they came through; and, as Mr. Hutchinson's boys informed me they saw steers around the hills in the vicinity of Temecula as early as the sixth of July, they could not be stragglers from those that went through in August.

I now proceeded to the Santa Marguerita Ranch, when Mr. O'Neil informed me, concerning the Warner steers, that Mr. Strausenbach brought them from Chihauhua and pastured them on the Castile Ranch, fifteen miles from Colton, and sold them to ex-Governor Downey; he went to see these cattle, but declined to purchase them. On the twelfth of July, I delivered cattle to Hardy, of San Diego, and he informed me that he had seen stragglers (southern cattle) on the hills around Temecula; this seems to coincide with the date of the death of Mr. Hutchinson's first cow. He also said that Colonel Taylor brought cattle from Texas to Cuyamaca and Penasquitus two years ago, and some of these, which were of a high grade, died, the Texans, in his opinion, infecting them; also that they are killing Texan and New Mexican cattle continually in San Bernardino City. He stated his own losses had been about ten to fifteen head this fall, and attributed the same to cinnabar poisoning and ticks. From here I went to San Juan Capistrano, and interviewed Mr. Marcus Foster; he said that Mr. O'Neil brought in cattle from Texas on to the Santa Marguerita Ranch, which adjoins his, and that said cattle broke down the fences and mixed with his, and he lost two head. Next year the same thing occurred, and they mixed with others he brought from Arizona, and he lost from eight hundred to one thousand head; this year, 1888, he lost about one hundred head. I made an autopsy on this ranch, and found the cause of death to be southern fever. He further stated all the ranches below have been affected in a similar manner, and as we never had the disease before, it must have been brought in to the ranch.

I went to Colton, where the Warner steers were unshipped. I interviewed Mr. Castile, owner of the Castile Ranch. He said: "Mr. Strausenbach brought four hundred steers from Chihuahua to my ranch, fifteen miles from here, in June, 1888, and pastured them on my ranch for two months, and then sold them to ex-Governor Downey. His son helped to deliver them on to Warner's Ranch, and denied losing any on the way. In September, 1887, I lost fifty-six dairy cows worth $3,000, and attribute this loss to cattle being driven across my ranch and affecting it. This year I lost none."

I now proceeded to the Southern Pacific Office at Colton, and found the shipment of cattle to this point, as follows:

*First*—From Benson, Arizona, arrived May third, for Marcus Foster, San Juan Capistrano.

*Second*—From Tucson, Arizona, arrived April sixth, also for Marcus Foster.

*Third*—March thirteenth, Mr. Strausenbach shipped one hundred and thirteen head of cattle, but they were slaughtered in Colton and San Bernardino.

I now went to the Santa Fe office at Colton and found that Strausenbach shipped four hundred head of Chihuahua cattle into Colton on June 6, 1888, and sent them down to the Castile Ranch, as already stated. Having now obtained all the evidence, and with due regard to conflicting statements, no doubt purposely made in a great many cases, I drew the following conclusions concerning the outbreak of southern fever in San Diego County: That southern cattle have been shipped into Colton, and there traveled by the following trails: that going to Warner's Ranch, and that going to Capistrano, and also by O'Neil's trail from San Gorgonia to

Rancho Santa Marguerita, and these cattle have infected the trails, and by that means the native cattle.

At the request of Dr. Orme, of Los Angeles, I made a short inspection in that city, and found it far from being in a satisfactory condition. I heard complaints from some of the veterinary surgeons that glandered horses were not destroyed as they should be. In company with Dr. Whittlery, V.S., I visited Mr. W. W. Cato, on Anderson Street, Los Angeles, and found he had lost three cows within one week, from what the doctor considers southern fever, and in which I agree with him when the following facts are taken into consideration:

*First*—Scenton Bros. of the Orleans market ship in southern cattle.

*Second*—Said cattle are unloaded at the railway yards, and driven ten miles to Scenton Bros.' yards, by way of the river bottom.

*Third*—Mr. W. W. Cato's cows grazed right on this bottom where these cattle were driven.

In view of these facts, and the scattered condition of the slaughter houses in Los Angeles, and to prevent such contagion, the animals ought to be unloaded in the slaughter yards, and said slaughter houses should be all in one place, and not scattered, as is the case in Los Angeles and San Diego. San Diego has the better facilities, as all the offal can be taken out to sea and dumped, by means of a lighter.

I now proceeded to Hanford, Tulare County, and on arrival I interviewed Dr. J. A. Davidson, M.D. He said: "I examined some cattle two and a half miles from here that were brought from Salinas Valley and put in a field of alfalfa, and about thirty days ago they commenced dying, after being about three weeks on the alfalfa." I next interviewed Mr. Motherall, and he said the cattle came from the Salinas Valley, and in two weeks after arrival began to die. On their way they passed through Polly & Heilbron's ranch, where cattle have been dying this year in great numbers; but when frost came the mortality ceased. He said: "I consider the disease to be southern fever, as it was identical in symptoms, course, and post-mortem lesions with what I have seen in Florida and Mississippi."

I now went to Mr. Sanborn's, four miles from the city, and found E. J. Tilton had lost nineteen head this year (1888); last year (1887), sixteen head. He usually carries about forty head. This year they died about the first of September, on the advent of some cattle from the Coast Range in the month of August. The post-mortem lesions described by Mr. Tilton correspond to those of southern fever. I now went to Mr. Sanborn's field and made an autopsy on a cow which was killed in the morning, and found nothing to indicate the acute stage of southern fever, but from the condition of the liver and gall-bladder, it was either commencing, or else recovering from it. In the lungs I found the bronchial tubes full of the *strongylus micrurus*, which causes parasitic bronchitis; and from the amount of animals coughing in the herd, I had no doubt that others were affected, and told the boys what to give them. I now made an autopsy on a calf in the same field, which had been dead two days, but as the weather was cool I was able to get the lesions well defined, except where the post-mortem staining was on the underside from gravitation. I found the lesions to be those of southern fever. I also made a microscopical examination of the spleen and liver by means of cover-glass specimens, but could not find any signs of the bacillus of anthrax. Mr. Sanborn said: "I sold my hay to Polly, Heilbron & Co., to be fed on my ranch, and they brought one thousand four hundred head of cattle from their place, and about three days after arrival they commenced to die, and about four hundred and fifty head had died on the ranch before they left." From the evidence procured at

Hanford, it can be said that Polly & Heilbron's ranch was affected, and that the cattle reported dying by Dr. Davidson, according to Mr. Motherall, crossed this ranch, and in about three weeks commenced dying from southern fever. And again, the Polly & Heilbron cattle brought to Mr. Sanborn's died, and the post-mortem lesions are identical with those of southern fever, as far as a post-mortem made two days after death can be relied on. In view of this testimony I can place the contagion among those cattle from Salinas, in two places. First—Before leaving the Salinas Valley, which I found to be infected in October, 1888. Second—On the Polly & Heilbron Grant, where the cattle have been dying this fall; and from the post-mortem made at Sanborn's on the calf, I have only one opinion to advance, and that is, the cause of death was southern fever, and such being the case, was it not possible for the steers that came from Salinas to become infected when crossing that ranch.

As Mr. Biddle, of Hanford, informed me that the deaths around the county had ceased, I could do nothing more, and left for San Francisco.

On the fourteenth of December, Dr. Spencer reported the following: Mr. Granger, residing in the southern part of Santa Clara County, reported the death of two young horses in one week. The deaths were very sudden, and the diagnosis from the autopsies was anthrax. The history of the cases is as follows: Hay was procured from Mr. O'Toole's ranch, where anthrax is rumored to exist, as Sargent's cattle died there of that disease this fall, and on opening the bales of hay, many of the same were found to contain parts of dead animals, and presumed to be parts of animals that had died of anthrax; and in this manner Dr. Spencer decided the contagion was carried to Mr. Granger's horses. The doctor also said the county authorities failed to see the necessity of burning over the fields and carcasses on O'Toole's ranch, when the Sargent cattle were known to die of anthrax.

Respectfully submitted.

THOS. BOWHILL, M.R.C.V.S.,
Special Agent Bureau of Animal Industry.

# WHEAT, BARLEY, FLOUR, ETC.

## WHEAT AND FLOUR.

The year 1888 opened auspiciously for our farmers, the rainfall for the month of January having been ample for all requirements in all sections of the State. An amount of land considerably above the average, and estimated at three million two hundred and fifty thousand acres, was seeded to wheat. Influenced by brilliant crop prospects, with dull and drooping markets abroad, prices in California steadily declined for the first three months in the year. February passed, giving us a few showers; March passed, giving a fair amount of rain, and on the first of April the crop, while somewhat late, gave promise of an abundant harvest. The month of April left a record of cloudless skies, hot weather, and parching north winds that swept over the State, doing irreparable damage to the young grain. The acreage destroyed by the drought of this month amounted to very nearly one quarter of the total acreage seeded. About the middle of April, with crop prospects growing more and more gloomy, prices of wheat suddenly stiffened, and, aided by better markets abroad, shot rapidly upwards, the highest prices of the spring months being realized about the middle of May. Then, with a brighter outlook for the coming harvest, came a sudden reaction. June passed in a quiet and uneventual manner. Then began a bull movement that has had no parallel for many years. July scored an advance of 10 cents per cental, and in August prices went bounding upwards, keeping pace with the excited markets of England and France. During September the fluctuations were rapid and violent. After the first of October values steadily declined, the close of the year finding prices but little higher than they were on July first.

The estimated outcome of the crop of wheat of 1888 is about twenty-seven million seven hundred and fifty thousand bushels, as against a yield of twenty-eight million eight hundred and sixty thousand bushels in 1887.

The year 1888 can be considered as fairly prosperous for our millers, although our trade with China and Japan has been quite seriously cut into by Oregon. As nearly as can be estimated, two million barrels of flour were turned out by the mills of this State during the year. The exports show a slight increase over those of 1887, but are still considerably below the exports of 1886.

Tables will be found farther on giving the highest, lowest, and average prices during each month of the year for No. 1 white wheat spot, and also tables giving the highest and lowest prices of No. 1 feed barley during each month of the various options dealt in at the San Francisco Produce Exchange Call Board Association.

## BARLEY.

With the exception of a rapid advance during the month of April of 25 cents a cental, caused by the drought of that month, prices of feed barley fluctuated within a very narrow range throughout the year.

Outside of the above spurt there is nothing of special moment to chronicle, except that the exports by sea and rail together amounted to one million seven hundred and forty-one thousand one hundred and forty-eight centals, an amount considerably in excess of the shipments of the previous twelve months, and larger than the record of any previous year. A flattering increase in our exports to the United Kingdom must especially be noted.

As would naturally be expected with large exports, trade in brewing descriptions and chevalier has at times been very active; the range of the bulk of the shipments being from 90 cents to $1 02½ per cental for No. 1 brewing, and from $1 40 to $1 60 per cental for No. 1 chevalier.

The first of January, 1888, found the heaviest stock of barley ever carried in the State, and this has been a constant drag on the markets. The crop of 1888 is estimated as somewhat less than that of 1887.

RECEIPTS AT SAN FRANCISCO, 1888, FROM ALL SOURCES.

| MONTH. | Flour—Quarter Sacks. | Wheat—Centals. | Barley—Centals. | Oats—Centals. | Corn—Centals. | Rye—Centals. |
|---|---|---|---|---|---|---|
| January | 377,110 | 731,940 | 120,997 | 46,778 | 21,193 | 1,869 |
| February | 409,516 | 1,139,251 | 146,154 | 28,675 | 20,316 | 1,444 |
| March | 354,690 | 1,267,888 | 130,296 | 51,109 | 18,940 | 4,042 |
| April | 371,439 | 324,112 | 84,697 | 39,147 | 25,936 | 546 |
| May | 292,103 | 429,448 | 200,907 | 21,845 | 22,491 | 1,093 |
| June | 473,953 | 398,729 | 116,632 | 40,229 | 18,934 | 2,580 |
| July | 320,212 | 834,428 | 141,987 | 34,273 | 13,411 | 1,692 |
| August | 411,053 | 1,947,297 | 354,861 | 52,842 | 1,979 | 2,276 |
| September | 173,483 | 1,879,526 | 477,184 | 62,013 | 9,731 | 4,924 |
| October | 348,919 | 1,579,272 | 644,084 | 69,442 | 22,123 | 3,541 |
| November | 421,591 | 1,221,497 | 226,030 | 65,059 | 18,987 | 1,332 |
| December | 400,351 | 1,163,840 | 148,802 | 98,117 | 27,057 | 3,204 |
| Totals, 1888 | 4,354,420 | 12,917,228 | 2,792,631 | 609,529 | 221,098 | 28,543 |
| Totals, 1887 | 3,600,345 | 9,602,631 | 2,055,366 | 414,812 | 281,600 | 32,277 |
| Totals, 1886 | 4,885,772 | 16,527,503 | 2,184,560 | 508,717 | 218,100 | 26,275 |

| MONTH. | Potatoes—Sacks. | Hay—Tons. | Flaxseed—Sacks. | Mustard Seed—Sacks. | Wool—Bales. | Beans—Sacks. | Hops—Bales. |
|---|---|---|---|---|---|---|---|
| January | 112,887 | 7,164 | 8,218 | 38 | 1,064 | 12,786 | 475 |
| February | 126,439 | 9,415 | 7,206 | 865 | 614 | 14,104 | 249 |
| March | 107,544 | 9,245 | 12,793 | 1,802 | 1,523 | 15,404 | 300 |
| April | 71,659 | 7,486 | 4,318 | 808 | 13,638 | 8,868 | 582 |
| May | 70,773 | 8,848 | 3,173 | 1,093 | 16,690 | 9,129 | 279 |
| June | 96,534 | 12,942 | 1,856 | 216 | 12,200 | 6,950 | 305 |
| July | 110,403 | 15,235 | 831 | 1,238 | 14,071 | 2,725 | 339 |
| August | 88,753 | 17,085 | 1,325 | 1,855 | 6,825 | 6,055 | 812 |
| September | 86,626 | 15,269 | 439 | 5,040 | 9,543 | 22,176 | 3,277 |
| October | 132,678 | 14,290 | 19,707 | 7,752 | 17,225 | 75,867 | 9,585 |
| November | 115,572 | 6,216 | 15,627 | 4,136 | 7,133 | 63,431 | 1,033 |
| December | 119,562 | 4,506 | 20,412 | 1,265 | 4,782 | 31,562 | 716 |
| Totals, 1888 | 1,239,430 | 127,701 | 95,905 | 26,108 | 105,338 | 269,057 | 17,952 |
| Totals, 1887 | 961,200 | 117,300 | 58,193 | 37,734 | 110,769 | 423,530 | ---------- |
| Totals, 1886 | 1,079,593 | 99,442 | 88,704 | 43,828 | 114,098 | 361,320 | ---------- |

Report of flour and grain remaining in the State of California on December 1, 1888:

| | Flour—Barrels. | Wheat—Centals. | Barley—Centals. | Oats—Centals. | Beans—Sacks. | Corn—Centals. | Rye—Ctls. |
|---|---|---|---|---|---|---|---|
| San Francisco and Oakland Wharf, including grain afloat in harbor | 27,608 | 1,067,340 | 986,370 | 73,490 | 71,440 | 8,967 | 600 |
| Marin, Sonoma, Lake, Mendocino, and Humboldt Counties | 3,015 | 98,400 | 42,100 | 28,650 | 170 | 2,350 | 50 |
| Napa, Solano, Yolo, and Colusa Counties | 11,598 | 2,675,410 | 411,000 | 60 | 1,275 | 100 | ----- |
| Sacramento, Yuba, Sutter, Butte, Tehama, Placer, and Amador Counties | 24,200 | 1,618,600 | 304,950 | 750 | 2,300 | 8,550 | ----- |
| Contra Costa and Alameda Co.'s | 600 | 2,338,740 | 367,400 | 4,200 | 250 | 2,000 | ----- |
| San Joaquin, Stanislaus, Merced, Fresno, Tulare, and Kern Counties | 17,575 | 2,253,930 | 314,650 | -------- | 1,500 | 4,100 | 4,050 |
| San Mateo, Santa Clara, San Benito, Santa Cruz, and Monterey Counties | 7,045 | 434,210 | 1,034,080 | 11,500 | 8,485 | 1,680 | 1,240 |
| San Luis Obispo, Santa Barbara, Ventura, Los Angeles, San Bernardino, and San Diego Co.'s | 4,265 | 333,000 | 626,500 | 1,525 | 149,900 | 239,000 | 1,100 |
| Totals | 95,906 | 10,819,630 | 4,087,050 | 120,175 | 235,320 | 266,747 | 7,040 |

Comparative statement:

| | Flour—Barrels. | Wheat—Centals. | Barley—Centals. | Oats—Centals. | Beans—Sacks. | Corn—Centals. | Rye—Centals. |
|---|---|---|---|---|---|---|---|
| July 1, 1888 | 71,920 | 3,881,960 | 2,063,450 | 62,095 | 33,675 | 82,200 | 800 |
| January 1, 1888 | 59,979 | 9,730,060 | 4,522,990 | 65,380 | 109,925 | 121,300 | 4,350 |
| July 1, 1887 | 50,275 | 2,790,400 | 798,500 | 42,400 | 74,405 | 72,330 | 1,350 |
| January 1, 1887 | 89,605 | 7,812,850 | 2,590,250 | 47,400 | 243,550 | 136,650 | 44,650 |
| July 1, 1886 | 102,325 | 1,252,600 | 114,850 | 31,150 | 103,700 | 27,625 | 1,080 |
| October 10, 1885 | 107,180 | 13,768,539 | 1,620,500 | -------- | -------- | -------- | -------- |
| July 1, 1885 | 70,800 | 5,382,900 | 608,150 | 107,440 | 81,280 | 72,100 | 32,875 |
| January 1, 1885 | 187,830 | 15,852,210 | 1,933,250 | 304,710 | 168,110 | 146,430 | 61,300 |
| July 1, 1884 | 112,600 | 664,050 | 640,350 | 58,450 | 44,175 | 16,110 | 30,100 |
| January 1, 1884 | 177,280 | 6,735,720 | 2,434,150 | 149,330 | 53,050 | 91,220 | 58,910 |
| July 1, 1883 | 77,000 | 979,500 | 820,500 | 10,300 | 56,060 | 57,420 | 8,125 |
| January 1, 1883 | 158,893 | 8,381,879 | 1,941,466 | 118,650 | 94,830 | 90,865 | 23,665 |
| July 1, 1882 | 119,324 | 2,822,903 | 162,416 | 21,305 | 48,708 | 61,597 | 3,021 |
| January 1, 1882 | 123,151 | 15,191,020 | 823,322 | 85,143 | 95,843 | 157,716 | 32,059 |
| July 1, 1881 | 135,592 | 12,444,278 | 595,028 | 15,744 | 70,780 | 94,210 | 3,820 |
| January 1, 1881 | 78,253 | 19,805,466 | 1,651,787 | 95,220 | 113,708 | 228,037 | 17,742 |
| July 1, 1880 | 30,934 | 323,821 | 908,294 | 18,357 | 52,217 | 88,572 | 5,989 |
| January 1, 1880 | 83,638 | 4,096,895 | 2,013,930 | 112,351 | 48,904 | 129,715 | 38,712 |
| July 1, 1879 | 37,786 | 593,251 | 806,565 | 26,484 | -------- | 148,002 | 22,237 |
| January 1, 1879 | 75,130 | 5,781,168 | 2,207,142 | 137,042 | -------- | 233,534 | 64,384 |
| July 1, 1878 | 20,231 | 284,424 | 147,598 | 29,564 | -------- | 11,066 | 280 |
| January 1, 1878 | 57,187 | 2,646,811 | 882,046 | 104,998 | -------- | 110,434 | 3,901 |

Exports from the State of California by rail for the year 1888:

| Month. | Barley—Centals. | Beans—Centals. |
|---|---|---|
| January | 107,820 | 4,208 |
| February | 157,351 | 10,176 |
| March | 120,516 | 6,994 |
| April | 9,454 | 1,087 |
| May | | |
| June | | |
| July | | 671 |
| August | | 857 |
| September | 26,317 | 4,622 |
| October | 146,923 | 33,154 |
| November | 86,340 | 23,532 |
| December | 57,391 | 18,840 |
| Totals, 1888 | 712,112 | 104,141 |
| Totals, 1887 | 78,458 | 220,410 |
| Totals, 1886 | 245,694 | |

Export of flour and grain during year 1888—from San Francisco, by sea:

| Month. | Flour—Barrels. | Wheat—Centals. | Barley—Centals. | Beans—Centals. |
|---|---|---|---|---|
| January | 69,114 | 694,382 | 37,754 | 3,523 |
| February | 71,724 | 917,609 | 43,514 | 5,912 |
| March | 103,612 | 1,016,559 | 67,508 | 3,603 |
| April | 51,793 | 633,233 | 12,972 | 929 |
| May | 35,741 | 326,456 | 21,015 | 1,694 |
| June | 118,253 | 321,079 | 16,876 | 756 |
| July | 49,303 | 741,532 | 11,591 | 2,082 |
| August | 75,298 | 1,433,754 | 103,762 | 1,581 |
| September | 23,020 | 1,811,841 | 62,558 | 1,912 |
| October | 48,183 | 1,406,984 | 315,154 | 1,899 |
| November | 93,589 | 1,128,974 | 226,451 | 1,774 |
| December | 68,809 | 1,280,858 | 109,881 | 2,885 |
| Totals, 1888 | 808,439 | 11,708,261 | 1,029,036 | 28,550 |
| Totals, 1887 | 788,180 | 9,140,689 | 416,583 | *180,448 |
| Totals, 1886 | 1,104,395 | 15,874,268 | 760,606 | |

* Sacks.

Stock of grain in "regular" warehouses, in tons:

| Month. | Wheat. | Barley. | Oats. | Corn. |
|---|---|---|---|---|
| January 1, 1888 | 172,083 | 38,277 | 1,096 | 487 |
| February 1, 1888 | 138,290 | 35,342 | 2,001 | 473 |
| March 1, 1888 | 106,074 | 29,720 | 1,852 | 378 |
| April 1, 1888 | 90,380 | 25,656 | 2,103 | 416 |
| May 1, 1888 | 90,893 | 22,309 | 2,303 | 510 |
| June 1, 1888 | 83,331 | 24,883 | 1,461 | 600 |
| July 1, 1888 | 76,115 | 23,696 | 2,209 | 787 |
| August 1, 1888 | 69,386 | 23,651 | 1,822 | 887 |
| September 1, 1888 | 110,168 | 29,288 | 2,099 | 519 |
| October 1, 1888 | 129,347 | 39,335 | 2,853 | 599 |
| November 1, 1888 | 140,394 | 47,613 | 3,251 | 808 |
| December 1, 1888 | 143,819 | 47,256 | 3,249 | 210 |
| January 1, 1889 | 122,445 | 43,967 | 4,421 | 777 |

## Rainfall and Wheat.

The following table shows the rainfall at San Francisco for a series of years, and the crop of wheat raised:

| Season. | Rainfall—Inches. | Crop. | Centals. |
|---|---|---|---|
| 1877–78 | 31.12 | 1878 | 22,825,000 |
| 1878–79 | 24.56 | 1879 | 19,801,000 |
| 1879–80 | 26.38 | 1880 | 34,150,000 |
| 1880–81 | 29.86 | 1881 | 20,600,000 |
| 1881–82 | 16.14 | 1882 | 21,000,000 |
| 1882–83 | 20.12 | 1883 | 20,100,000 |
| 1883–84 | 32.28 | 1884 | 28,830,000 |
| 1884–85 | 18.10 | 1885 | 15,177,980 |
| 1885–86 | 33.05 | 1886 | 21,394,380 |
| 1886–87 | 19.04 | 1887 | 17,315,380 |
| 1887–88 | 16.74 | 1888 | *16,650,000 |

* Estimated.

## Statistics Crop Year 1887–88.

| | Wheat—Tons. |
|---|---|
| Exports flour, 855,199 barrels equals | 128,280 |
| Exports wheat | 446,186 |
| Total exports | 574,466 |
| Local consumption | 310,000 |
| Stock carried over first of July, 1888 | 204,886 |
| Total | 1,089,352 |

| Deduct. | Wheat—Tons. | |
|---|---|---|
| Flour from Oregon, 434,948 quarter sacks | 16,310 | |
| Wheat from Oregon | 59,186 | |
| Imports by rail (estimated) | 1,000 | |
| Total imports | 76,496 | |
| Stocks carried over first of July, 1887 | 147,062 | |
| | | 223,558 |
| Crop of 1887 | | 865,794 |

## Arrivals of New Barley.

The first receipts of new barley for a series of years past, and the price it brought, is annexed:

| Year. | Month. | Price. |
|---|---|---|
| 1870 | June 19 | $1 20 |
| 1871 | June 12 | 1 57½ |
| 1872 | June 6 | 1 40 |
| 1873 | June 5 | 1 10 |
| 1874 | June 9 | 1 45 |
| 1875 | June 20 | 1 35 |
| 1876 | May 30 | 90 |
| 1877 | June 30 | 1 55 |
| 1878 | June 11 | 80 |
| 1879 | June 30 | 75 |
| 1880 | June 24 | 68¾ |
| 1881 | June 21 | 90 |
| 1882 | June 12 | 1 65 |
| 1883 | June 25 | 95 |
| 1884 | July 9 | 90 |
| 1885 | June 16 | 1 25 |
| 1886 | May 27 | 1 10 |
| 1887 | June 4 | 1 15 |
| 1888 | June 5 | 92½ |

## Arrivals of New Wheat.

The date of arrival of new wheat at tide water each year since that cereal was first produced in quantity, and the price obtained for the same, is given below:

| Year. | Month. | Price. |
|---|---|---|
| 1859 | July 14 | $1 90 @ $2 00 |
| 1860 | July 3 | 1 50 @ 1 55 |
| 1861 | July 24 | 1 50 @ 1 62 |
| 1862 | July 11 | 1 62 @ 1 65 |
| 1863 | July 25 | 1 50 @ 1 60 |
| 1864 | July 9 | 2 80 @ 2 95 |
| 1865 | June 12 | 2 20 @ 2 25 |
| 1866 | June 25 | 1 50 @ 1 60 |
| 1867 | June 17 | 1 65 @ 1 70 |
| 1868 | June 18 | 1 90 @ 2 00 |
| 1869 | June 15 | 1 40 @ 1 45 |
| 1870 | June 9 | 1 70 @ 1 80 |
| 1871 | June 23 | 2 30 @ 2 37 |
| 1872 | June 10 | 1 80 @ 1 85 |
| 1873 | June 7 | 1 75 @ 1 80 |
| 1874 | June 11 | 1 65 @ 1 67 |
| 1875 | June 2 | 1 65 @ 1 67 |
| 1876 | June 9 | 1 75 @ ---- |
| 1877 | June 2 | 2 40 @ ---- |
| 1878 | June 13 | 1 70 @ ---- |
| 1879 | June 20 | 1 65 @ ---- |
| 1880 | June 24 | 1 00 @ ---- |
| 1881 | June 7 | 1 25 @ 1 40 |
| 1882 | June 6 | 1 67 @ ---- |
| 1883 | June 19 | 1 65 @ ---- |
| 1884 | June 30 | 1 45 @ 1 45 |
| 1885 | June 3 | 1 42½ @ ---- |
| 1886 | June 5 | 1 25 @ ---- |
| 1887 | June 11 | 1 86 @ ---- |
| 1888 | June 15 | 1 31¼ @ ---- |

## Average Price of Wheat.

The average price of No. 1 white wheat, spot, each cereal year since 1870–71 is as follows:

| Year. | Per Cental. | Year. | Per Cental. |
|---|---|---|---|
| 1870–71 | $2 20½ | 1879–80 | $1 82 |
| 1871–72 | 2 34 | 1880–81 | 1 42⅞ |
| 1872–73 | 1 76¼ | 1881–82 | 1 60 |
| 1873–74 | 2 05¼ | 1882–83 | 1 73½ |
| 1874–75 | 1 62 | 1883–84 | 1 64⅜ |
| 1875–76 | 1 93½ | 1884–85 | 1 31¼ |
| 1876–77 | 1 92¾ | 1885–86 | 1 43½ |
| 1877–78 | 2 18 | 1886–87 | 1 52⅝ |
| 1878–79 | 1 67¾ | 1887–88 | 1 40¼ |

## Wheat and Barley Options—1888.

The following official figures of the San Francisco Produce Exchange Call Board Association show the highest and lowest prices of wheat options during each month of 1888:

| Month. | Buyer '88. | | Buyer Season Ending May 31, 1888. | | Buyer Season Ending May 31, 1889. | |
|---|---|---|---|---|---|---|
| | High. | Low. | High. | Low. | High. | Low. |
| January | | | $1 48½ | $1 40½ | | |
| February | | | 1 42⅝ | 1 37½ | | |
| March | $1 48⅝ | $1 37 | 1 40⅛ | 1 32½ | | |
| April | 1 57⅝ | 1 35½ | 1 43 | 1 27⅞ | | |
| May | 1 65⅞ | 1 47½ | 1 47½ | 1 32 | | |
| June | 1 50 | 1 44⅜ | | | | |
| July | 1 58 | 1 48 | | | | |
| August | 1 78½ | 1 56⅝ | | | | |
| September | 1 73⅜ | 1 57⅝ | | | $1 78 | $1 66 |
| October | 1 77½ | 1 66 | | | 1 86 | 1 78 |
| November | 1 68⅜ | 1 55¼ | | | 1 80⅜ | 1 64⅜ |
| December | 1 55¼ | 1 41 | | | 1 64¾ | 1 46½ |

| Month. | Buyer '89. | | October. | | November. | |
|---|---|---|---|---|---|---|
| | High. | Low. | High. | Low. | High. | Low. |
| January | | | | | | |
| February | | | | | | |
| March | | | | | | |
| April | | | | | | |
| May | | | | | | |
| June | | | | | | |
| July | | | | | | |
| August | | | $1 66½ | $1 46½ | | |
| September | | | 1 62 | 1 48 | $1 65⅜ | $1 50 |
| October | | | 1 65¼ | 1 58½ | 1 69½ | 1 60 |
| November | | | | | | |
| December | $1 67 | $1 51 | | | | |

The highest and lowest prices of No. 1 feed barley options during each month of 1888 were as follows:

| Month. | Buyer Season Ending May 31, 1888. | | Buyer '88. | | Buyer Season Ending May 31, 1889. | | Seller '88—New Barley. | |
|---|---|---|---|---|---|---|---|---|
| | High. | Low. | High. | Low. | High. | Low. | High. | Low. |
| January | $0 95¾ | $0 84⅜ | $1 00 | $0 90¼ | | | | |
| February | 88 | 83¼ | 93½ | 89½ | | | | |
| March | 85 | 79 | 93⅝ | 87⅝ | | | | |
| April | 1 00 | 77⅛ | 1 11¾ | 86 | | | | |
| May | 1 02½ | 76 | 1 19⅜ | 95¼ | | | $1 06 | $0 85½ |
| June | | | 1 00 | 90¼ | $1 09 | $0 99 | 90¾ | 81 |
| July | | | 94¼ | 90 | 1 01½ | 99 | 83⅝ | 81½ |
| August | | | 95 | 90½ | 1 04⅜ | 98½ | 85 | 81¾ |
| September | | | 95 | 89 | 1 05¼ | 99 | 84¾ | 82 |
| October | | | 91⅝ | 87 | 1 02¾ | 97½ | | |
| November | | | 90¾ | 85½ | 1 00⅞ | 95 | | |
| December | | | 85¾ | 78 | 95¾ | 89 | | |

Highest, lowest, and average prices of wheat and barley for the year 1888. Quotations based on actual sales in the sample market:

| Month. | Wheat. | | | Barley. | | |
|---|---|---|---|---|---|---|
| | Average. | Highest. | Lowest. | Average. | Highest. | Lowest. |
| January | $1 36½ | $1 38¾ | $1 33¾ | $0 83½ | $0 87½ | $0 75 |
| February | 1 31½ | 1 36¼ | 1 28¾ | 78½ | 82½ | 78¾ |
| March | 1 31 | 1 33¾ | 1 28¾ | 79⅛ | 82½ | 75 |
| April | 1 30 | 1 37½ | 1 25 | 80 | 98¾ | 75 |
| May | 1 37½ | 1 45 | 1 30 | 86¾ | 1 05 | 77½ |
| June | 1 31½ | 1 36¼ | 1 30 | 79½ | 82½ | 77½ |
| July | 1 34½ | 1 46 | 1 32½ | 77½ | 80 | 73¾ |
| August | 1 43¾ | 1 60 | 1 37½ | 79½ | 80 | 75 |
| September | 1 51⅝ | 1 57½ | 1 45 | 79¼ | 85 | 75 |
| October | 1 61¼ | 1 65 | 1 52½ | 79½ | 85 | 77½ |
| November | 1 59½ | 1 63¼ | 1 52½ | 82¾ | 85 | 80 |
| December | 1 46⅝ | 1 56¼ | 1 40 | 80⅜ | 77½ | 83¾ |

# ANNUAL METEOROLOGICAL REVIEW

OF THE

# STATE OF CALIFORNIA DURING THE YEAR 1888,

BY THE

## Meteorological Department of the State Agricultural Society.

Collated and compiled by Sergeant James A. Barwick, Observer Signal Corps, U. S. A., and Meteorologist to the State Board of Agriculture.

Sacramento, California, May 1, 1889.

Edwin F. Smith, *Secretary State Agricultural Society:*

Sir: I have the honor to transmit herewith my fifth annual weather review for the year 1888, of the State of California, as meteorologist to your Society. The greater portion of the State is herein represented, some portions better than others—the cause of which is due to the impossibility of getting those who ought to be interested in such matters to forward any data whatever; this is especially so in regard to San Diego City and County. I wrote to three different parties, including the Signal Service Observer at San Diego, who is the only one of the three that responded, and his report is very meager of meteorological data to what it could be made. If data asked for is not forthcoming, then certainly I am not to blame, nor should I be held responsible for the small space that portion of this State may occupy in this review. I must confess that I myself am greatly disgusted and discouraged at the small amount of interest taken by its people in the climatic conditions of this State, which stands preëminently as the central and best portion of the Pacific Slope, as well as the great and glorious Golden West. Even our snowy neighbor, silvery Nevada, has had established a "State Weather Service," by its intelligent and far-seeing legislators. Certainly, if that State deems a systemized and accurate record of its climate should be blazoned and advertised to the world, what ought Californians to think, whose glittering golden star of destiny stands out in magnificent brilliancy, amidst the grand galaxy of twinkling emblems that deck the blue field of our great American banner, the stars and stripes, whose colors may never grow dim, nor its folds be trailed in the dust by an enemy. Why, our Oregonian neighbors of the north elected members to their Legislature, who, during their session of 1888–89, covered themselves, not with ingratitude, but with everlasting honor and glory by passing a bill that gives to the people of that community a "State Weather Service," whose climate is never so good, healthful, or healing as our own. How long? O Lord! how long will our scions of civilization, monopolization, and culture travel

in the ruts of our grandfathers, and instead of being at the head of advancing science of climate, health, and beauty, are satisfied to bring up the rear and come in last in the race for advancement in all the details of encouragement to immigration, that they may assist in the fructification and increased fruitfulness of our land? Let it come quickly will ever be the desire and wish of yours, very truly, etc.,

JAMES A. BARWICK,
Meteorologist of the State Agricultural Society.

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## GENERAL WEATHER REVIEW OF SACRAMENTO CITY AND COUNTY.

This city is geographically situated in latitude north 38° 35′; longitude west from Greenwich, 121° 30′; elevation above sea level, 35 feet; elevation of the zero point of the barometer cistern above sea level, 64 feet.

The following tabulated data show the general meteorological features of the weather of this city for the months of January, February, March, and April, from 1878 to 1889, inclusive. For May, and June, from 1878 to 1888, inclusive, and for July, August, September, October, November, and December, from 1877 to 1888, inclusive. A review by seasons, winter, spring, summer, and autumn. Also, an annual review of the weather from 1878 to 1888.

**January Weather in Sacramento, from 1878 to 1889.**—This table shows the mean average barometer, the highest, lowest, and range of barometer; the average temperature, highest, lowest, and monthly range of temperature; the greatest and least daily range of temperature; the average maximum, minimum, and range of temperature; average relative humidity and dew point; prevailing direction of wind, total rainfall, monthly velocity of wind, maximum velocity of wind, and prevailing direction at time of maximum velocity; clear, fair, cloudy, and foggy days; number of days rain fell; thunder and lightning storms; solar and lunar halos; light and killing frosts; days snow fell; number of days the temperature was below 32°.

| JANUARY: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.05 | 30.15 | 30.16 | 30.15 | 30.14 | 30.27 | 30.16 | 30.18 | 30.09 | 30.16 | 30.13 | 30.09 |
| Highest barometer | 30.33 | 30.58 | 30.44 | 30.46 | 30.42 | 30.61 | 30.58 | 30.43 | 30.40 | 30.51 | 30.63 | 30.37 |
| Lowest barometer | 29.46 | 29.85 | 29.74 | 29.80 | 29.75 | 29.88 | 29.60 | 29.87 | 29.32 | 29.69 | 29.51 | 29.51 |
| Range of barometer | 0.87 | 0.73 | 0.70 | 0.66 | 0.67 | 0.73 | 0.98 | 0.56 | 1.08 | 0.82 | 1.12 | 0.86 |
| Average temperature | 49.7 | 45.5 | 43.5 | 49.2 | 45.2 | 42.0 | 46.6 | 47.2 | 45.7 | 48.5 | 42.8 | 44.6 |
| Highest temperature | 62.0 | 63.0 | 61.0 | 64.0 | 62.0 | 62.0 | 61.0 | 62.0 | 62.2 | 65.2 | 63.0 | 62.5 |
| Lowest temperature | 27.0 | 29.3 | 25.0 | 35.0 | 29.0 | 22.0 | 31.0 | 34.2 | 27.5 | 30.0 | 19.0 | 31.0 |
| Range of temperature | 35.0 | 33.7 | 36.0 | 29.0 | 33.0 | 40.2 | 30.0 | 27.8 | 34.7 | 35.2 | 44.0 | 31.5 |
| Greatest range of temperature | 22.0 | 25.2 | 22.0 | 21.0 | 22.1 | 23.6 | 29.0 | 19.0 | 21.5 | 28.8 | 24.0 | 30.0 |
| Least range of temperature | 6.0 | 9.6 | 6.0 | 4.0 | 5.8 | 5.9 | 8.5 | 5.0 | 3.5 | 6.3 | 6.0 | 3.7 |
| Average maximum temperature | 55.4 | 53.7 | 50.7 | 55.0 | 53.3 | 49.5 | 55.9 | 52.7 | 52.0 | 57.7 | 49.9 | 53.6 |
| Average minimum temperature | 41.9 | 35.8 | 35.2 | 43.0 | 38.2 | 34.0 | 37.9 | 42.0 | 40.4 | 39.3 | 35.7 | 35.8 |
| Mean range of temperature | 13.5 | 17.9 | 15.5 | 12.0 | 15.1 | 15.6 | 18.0 | 10.7 | 11.6 | 18.4 | 14.2 | 17.8 |
| Average humidity | 79.0 | 72.0 | 78.9 | 82.3 | 69.7 | 82.7 | 80.8 | 88.2 | 89.6 | 73.3 | 80.2 | 78.1 |
| Average dew point | | | | | 34.7 | 36.6 | 40.7 | 43.7 | 42.6 | 39.6 | 36.8 | 36.76 |
| Prevailing wind | S.E. | N. | S.E. | S.E. | N. | S.E. | S.E. | S.E. | S.E. | N.W. | N.&S.E. | N.W. |
| Total precipitation | 9.26 | 3.18 | 1.64 | 6.14 | 1.89 | 2.23 | 3.43 | 2.16 | 7.95 | 1.12 | 4.81 | 0.15 |
| Total velocity of wind | 4,906 | 4,742 | 4,365 | 5,548 | 5,718 | 3,770 | 4,279 | 3,738 | 5,366 | 4,404 | 4,380 | 3,708 |
| Maximum velocity of wind | 28 | 33 | 34 | 32 | 32 | 36 | 30 | 18 | 44 | 26 | 36 | 27 |
| Direction of maximum velocity | S.E. | N. | S.E. | S.E. | N. | N.W. | S.E. | S.E. | S.E. | N.W. | N. | N.W. |
| Clear days | 8 | 11 | 18 | 10 | 17 | 17 | 13 | 9 | 14 | 21 | 8 | 18 |
| Fair days | 9 | 15 | 5 | 10 | 9 | 11 | 10 | 12 | 11 | 7 | 12 | 9 |
| Cloudy days | 14 | 5 | 8 | 11 | 5 | 3 | 8 | 10 | 6 | 3 | 11 | 4 |
| Days rain fell | 17 | 10 | 7 | 11 | 8 | 4 | 8 | 8 | 13 | 6 | 18 | 6 |
| Foggy days | 0 | 0 | 2 | 3 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 0 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Lunar halos | 0 | 0 | 3 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| Light frosts | 3 | 5 | 4 | 9 | 10 | 3 | 1 | 6 | 3 | 3 | 0 | 8 |
| Killing frosts | 6 | 11 | 10 | 0 | 7 | 13 | 9 | 0 | 6 | 7 | 11 | 9 |
| Days snow fell | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Days temperature below 32° | 5 | 7 | 8 | 0 | 2 | 11 | 2 | 0 | 4 | 3 | 12 | 5 |

*Character of Weather Conditions for January, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperatures, between 65° in 1887 and 37° in 1888. Possible range in minima temperatures, between 54° in 1881–82 and 19° in 1888. Possible range of monthly mean temperatures, between 50° in 1878 and 42° in 1883. Clear days, one day in 2.3. Rain (or snow), one day in three, averaging 0.13 of an inch daily. Cloudy (including rainy) days, one day in three. Wind, hourly mean velocity of 6.3 miles; most frequent direction, from the southeast.

**February Weather in Sacramento, from 1878 to 1889.**—This table gives the mean average barometer, temperature, relative humidity, and dew point; the highest and lowest barometer and temperature, with the monthly range of each; the greatest and least daily range of temperature; the average, maximum, minimum, and range of temperature; prevailing wind; total rainfall; total and maximum velocity of wind, and the direction at time of maximum velocity; clear, fair, cloudy, and foggy days, and total number of days rain fell; solar and lunar halos; light and killing frosts; days snow fell; and number of days the minimum temperature was below 32°:

| February: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.96 | 30.10 | 30.19 | 30.11 | 30.17 | 30.14 | 30.04 | 30.14 | 30.08 | 30.02 | 30.08 | 30.11 |
| Highest barometer | 30.36 | 30.30 | 30.48 | 30.41 | 30.52 | 30.74 | 30.43 | 30.43 | 30.38 | 30.46 | 30.30 | 30.37 |
| Lowest barometer | 29.50 | 29.77 | 29.76 | 29.85 | 29.75 | 29.68 | 29.42 | 29.86 | 29.68 | 29.54 | 29.79 | 29.61 |
| Range of barometer | 0.86 | 0.53 | 0.72 | 0.56 | 0.77 | 1.06 | 1.01 | 0.57 | 0.70 | 0.92 | 0.51 | 0.76 |
| Average temperature | 51.3 | 55.0 | 46.0 | 53.5 | 46.3 | 46.0 | 46.9 | 54.0 | 53.3 | 44.7 | 52.6 | 50.3 |
| Highest temperature | 61.0 | 73.5 | 64.0 | 67.0 | 62.8 | 71.7 | 71.0 | 70.0 | 72.7 | 67.0 | 75.0 | 76.0 |
| Lowest temperature | 40.0 | 33.0 | 30.0 | 40.0 | 30.9 | 22.0 | 21.0 | 39.8 | 38.0 | 30.0 | 34.0 | 31.0 |
| Range of temperature | 21.0 | 40.5 | 34.0 | 27.0 | 31.9 | 49.7 | 50.0 | 30.2 | 34.7 | 37.0 | 41.0 | 45.0 |
| Greatest range of temperature | 16.0 | 28.5 | 28.0 | 19.0 | 23.3 | 28.0 | 25.6 | 21.5 | 23.0 | 25.2 | 28.5 | 35.0 |
| Least range of temperature | 5.0 | 5.5 | 9.0 | 5.0 | 9.0 | 11.0 | 7.0 | 8.0 | 7.0 | 7.2 | 10.0 | 9.0 |
| Average maximum temperature | 56.3 | 63.1 | 54.7 | 59.3 | 54.6 | 55.9 | 56.1 | 62.5 | 61.4 | 52.2 | 62.2 | 61.0 |
| Average minimum temperature | 45.6 | 45.6 | 36.4 | 47.7 | 38.3 | 35.9 | 38.9 | 46.4 | 47.1 | 37.4 | 43.7 | 39.3 |
| Mean range of temperature | 10.7 | 17.5 | 18.3 | 11.6 | 16.3 | 20.0 | 17.2 | 16.1 | 14.3 | 14.8 | 18.5 | 21.7 |
| Average humidity | 80.0 | 73.0 | 68.5 | 82.2 | 74.1 | 68.3 | 79.7 | 73.8 | 81.5 | 76.7 | 72.1 | 70.6 |
| Average dew point | | | | | 37.9 | 35.3 | 40.5 | 45.2 | 47.2 | 37.3 | 42.8 | 39.6 |
| Prevailing wind | S.E. | N. | S.E. | S.E. | S.E. | N. | N. | N.W. | N.W. | S. | S.E. | S.E. |
| Total precipitation | 8.04 | 3.88 | 1.83 | 5.06 | 2.40 | 1.11 | 4.46 | 0.49 | 0.29 | 6.28 | 0.57 | 0.33 |
| Total velocity of wind | 5,359 | 3,877 | 4,442 | 4,038 | 5,176 | 3,817 | 5,170 | 4,851 | 4,065 | 6,305 | 4,500 | 3,364 |
| Maximum velocity of wind | 36 | 33 | 32 | 22 | 27 | 23 | 33 | 31 | 32 | 33 | 36 | 36 |
| Direction of maximum velocity | S.E. | N. | S.E. | S.W. | N.&S.E. | N.W. | S. | N.W. | N.W. | N.W. | N.W. | N.W. |
| Clear days | 5 | 11 | 16 | 7 | 11 | 19 | 17 | 18 | 17 | 8 | 21 | 13 |
| Fair days | 8 | 11 | 4 | 11 | 11 | 8 | 5 | 8 | 11 | 11 | 7 | 12 |
| Cloudy days | 15 | 6 | 9 | 10 | 6 | 1 | 7 | 2 | 0 | 9 | 1 | 3 |
| Days rain fell | 17 | 9 | 10 | 13 | 10 | 4 | 10 | 6 | 3 | 14 | 5 | 5 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Lunar halos | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Light frosts | 0 | 3 | 3 | 2 | 10 | 3 | 0 | 6 | 0 | 4 | 2 | 6 |
| Killing frosts | 0 | 2 | 7 | 0 | 3 | 13 | 8 | 0 | 0 | 6 | 3 | 3 |
| Days snow fell | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Days temperature below 32° | 0 | 0 | 1 | 0 | 2 | 11 | 6 | 0 | 0 | 1 | 0 | 2 |

*Character of Weather Conditions for February, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperatures, between 75° in 1888 and 40° in 1883. Possible range of minima temperatures, between 56° in 1879 and 1881 and 21° in 1884. Possible range of mean monthly temperatures, between 55° in 1879 and 45° in 1887. Clear days, one day in two. Rain (or snow), one day in three, averaging 0.11 of an inch daily. Cloudy (including rainy) days, one day in five. Wind, hourly mean velocity, 7 miles; most frequent direction, from the southeast.

**March Weather in Sacramento, from 1878 to 1889.**—This comparative weather table shows the average, highest, lowest, and range of barometer; the average, highest, lowest, and range of temperature; the greatest and least daily range of temperature; the average, maximum, minimum, and range of temperature; average relative humidity and dew point; the prevailing direction and total velocity of wind; maximum velocity, and direction at the time of maximum velocity; total rainfall; total number of clear, fair, cloudy, and foggy days, along with the number of days rain fell; thunder and lightning storms; solar and lunar halos; light and killing frosts; number of days the minimum temperature was below 32°.

| March: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.02 | 30.08 | 30.10 | 30.07 | 30.10 | 30.02 | 29.96 | 30.06 | 30.04 | 30.10 | 30.01 | 29.96 |
| Highest barometer | 30.39 | 30.33 | 30.36 | 30.41 | 30.38 | 30.24 | 30.30 | 30.37 | 30.35 | 30.32 | 30.48 | 30.28 |
| Lowest barometer | 29.61 | 29.73 | 29.76 | 29.68 | 29.71 | 29.62 | 29.51 | 29.80 | 29.63 | 29.88 | 29.64 | 29.41 |
| Range of barometer | 0.78 | 0.60 | 0.60 | 0.73 | 0.67 | 0.62 | 0.79 | 0.57 | 0.72 | 0.44 | 0.84 | 0.87 |
| Average temperature | 56.7 | 57.4 | 48.8 | 55.5 | 53.0 | 56.9 | 52.9 | 59.1 | 52.1 | 57.8 | 53.6 | 57.0 |
| Highest temperature | 72.0 | 75.0 | 72.0 | 79.0 | 80.0 | 78.2 | 70.5 | 77.0 | 72.0 | 78 7 | 76.5 | 76.0 |
| Lowest temperature | 40.0 | 38.0 | 29.0 | 37.0 | 34.1 | 42.5 | 39.0 | 45.8 | 37.7 | 40.7 | 37.0 | 41.0 |
| Range of temperature | 32.0 | 37.0 | 43.0 | 42.0 | 45.9 | 35.7 | 31.5 | 31.2 | 34.3 | 38.0 | 39.5 | 35.0 |
| Greatest range of temperature | 21.0 | 26.0 | 30.0 | 23.0 | 26.0 | 31.0 | 22.7 | 28.0 | 26.3 | 31.3 | 28.3 | 35.0 |
| Least range of temperature | 6.0 | 7.0 | 9.0 | 8.0 | 6 9 | 6.0 | 6.5 | 13.0 | 8.3 | 10.5 | 7.5 | 5.0 |
| Average maximum temperature | 63.6 | 64.8 | 59.5 | 64.0 | 62.5 | 69.3 | 60.7 | 70.5 | 60.8 | 69.4 | 62.7 | 66.3 |
| Average minimum temperature | 49.5 | 49.3 | 38.9 | 47.6 | 44.8 | 47.1 | 46.7 | 50.2 | 44.2 | 46.9 | 44.5 | 48.5 |
| Mean range of temperature | 14.1 | 15.5 | 20.6 | 16.4 | 17.7 | 22.2 | 14.0 | 20.3 | 16.6 | 22.6 | 18.2 | 17.8 |
| Average humidity | 74.0 | 74.0 | 60.1 | 68.3 | 64.2 | 71.4 | 76.3 | 65.2 | 70.6 | 67.6 | 67.7 | 76.2 |
| Average dew point | | | | | 39.8 | 46.9 | 45.2 | 46.4 | 41.7 | 46.2 | 42.0 | 48.3 |
| Prevailing wind | S. | S. | S.E. | N. | N. | S. | N. | S.W. | N.W. | N.W. | N.W. | S.E. |
| Total precipitation | 3.09 | 4.88 | 1.70 | 1.37 | 3.78 | 3.70 | 8.14 | 0.08 | 2.68 | 0.94 | 3.04 | 6.25 |
| Total velocity of wind | 4,135 | 4,757 | 6,470 | 4,804 | 6,396 | 4,688 | 6,787 | 5,312 | 6,567 | 4,469 | 6,736 | 5,273 |
| Maximum velocity of wind | 24 | 22 | 36 | 28 | 28 | 26 | 35 | 24 | 37 | 24 | 48 | 30 |
| Direction of maximum velocity | N. | S.W. | N. | N. | S.E.&N. | S.E. | S. | N.W.& N.S.W. | N.W. | N.W. | S.E. | N.W. |
| Clear days | 8 | 9 | 19 | 21 | 16 | 22 | 13 | 17 | 14 | 21 | 17 | 6 |
| Fair days | 11 | 12 | 7 | 5 | 6 | 5 | 7 | 11 | 12 | 8 | 8 | 12 |
| Cloudy days | 12 | 10 | 5 | 5 | 9 | 4 | 11 | 3 | 5 | 2 | 6 | 13 |
| Days rain fell | 14 | 15 | 8 | 7 | 13 | 6 | 15 | 2 | 12 | 6 | 9 | 14 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Solar halos | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| Lunar halos | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| Light frosts | 2 | 1 | 3 | 5 | 5 | 0 | 10 | 0 | 2 | 0 | 0 | 1 |
| Killing frosts | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Days temperature below 32° | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*Character of Weather Conditions for March, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperatures, between 80° in 1882 and 47° in 1888. Possible range of minima temperatures, between 59° in 1880-81 and 33° in 1880. Possible range of mean monthly temperatures, between 59° in 1885 and 49° in 1880. Clear days, one day in two. Rain (or snow), one day in three, averaging 0.10 of an inch daily. Cloudy (including rainy) days, one day in three. Wind, hourly mean velocity, 7.5 miles; most frequent direction, south.

**April Weather in Sacramento, from 1878 to 1889.**—The data contained in this table show the monthly average, the highest, lowest, and monthly range of the barometer; the monthly average, the highest, lowest, and monthly range of temperature; the greatest and least daily range of temperature; average maximum, minimum, and range of temperature; average relative humidity and dew point; total precipitation; prevailing direction, total, and maximum velocity of wind, with the direction at time of maximum velocity; total number of clear, fair, and cloudy days, with the total number of days rain fell; auroras; solar and lunar halos; light frosts.

| April: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.89 | 30.02 | 30.04 | 29.93 | 30.05 | 30.04 | 29.98 | 29.96 | 29.95 | 29.99 | 30.02 | 30.00 |
| Highest barometer | 30.21 | 30.32 | 30.25 | 30.22 | 30.29 | 30.43 | 30.25 | 30.20 | 30.24 | 30.26 | 30.27 | 30.28 |
| Lowest barometer | 29.56 | 29.79 | 29.55 | 29.78 | 29.80 | 29.68 | 29.62 | 29.52 | 29.63 | 29.70 | 29.81 | 29.79 |
| Range of barometer | 0.65 | 0.53 | 0.70 | 0.44 | 0.49 | 0.75 | 0.63 | 0.68 | 0.61 | 0.56 | 0.46 | 0.49 |
| Average temperature | 59.4 | 60.3 | 54.6 | 60.9 | 55.8 | 56.0 | 56.7 | 60.6 | 55.5 | 58.3 | 62.3 | 60.4 |
| Highest temperature | 78.0 | 83.0 | 78.0 | 84.0 | 82.2 | 76.0 | 74.2 | 83.0 | 79.7 | 83.5 | 89.0 | 84.0 |
| Lowest temperature | 41.0 | 44.6 | 40.0 | 44.0 | 40.5 | 39.8 | 40.0 | 39.0 | 39.0 | 41.2 | 42.7 | 42.0 |
| Range of temperature | 37.0 | 38.4 | 38.0 | 40.0 | 41.7 | 36.2 | 34.2 | 44.0 | 40.7 | 42.3 | 46.3 | 42.0 |
| Greatest range of temperature | 27.0 | 28.0 | 24.0 | 26.0 | 32.8 | 31.0 | 22.5 | 31.0 | 26.2 | 32.0 | 33.0 | 30.0 |
| Least range of temperature | 11.0 | 6.5 | 6.0 | 6.0 | 7.0 | 10.0 | 6.0 | 10.0 | 5.3 | 8.3 | 16.9 | 6.0 |
| Average maximum temperature | 68.1 | 69.7 | 62.6 | 71.8 | 65.9 | 66.5 | 65.8 | 71.3 | 65.4 | 69.5 | 76.7 | 71.3 |
| Average minimum temperature | 49.8 | 51.1 | 47.5 | 52.7 | 47.2 | 46.6 | 49.5 | 51.5 | 48.1 | 48.9 | 49.2 | 51.2 |
| Average range of temperature | 18.3 | 18.6 | 15.1 | 19.1 | 18.7 | 19.9 | 16.3 | 19.8 | 17.3 | 20.7 | 27.5 | 20.1 |
| Average humidity | 65.6 | 65.4 | 73.0 | 70.6 | 64.2 | 66.1 | 74.6 | 71.1 | 75.8 | 65.5 | 65.0 | 68.4 |
| Average dew point | | | | | 42.4 | 43.8 | 48.2 | 50.5 | 47.3 | 45.5 | 49.2 | 48.4 |
| Prevailing wind | S. | S. | S. | S. | N. | S. | S.W. | S.W. | S. | N.W. | S.W. | S.W. |
| Total precipitation | 1.07 | 2.66 | 14.20 | 1.64 | 1.99 | 0.67 | 4.32 | 0.68 | 4.08 | 2.53 | 0.10 | 0.26 |
| Total velocity of wind | 4,759 | 4,814 | 6,597 | 4,787 | 5,785 | 5,933 | 5,609 | 5,069 | 5,725 | 6,320 | 4,140 | 4,775 |
| Maximum velocity of wind | 32 | 32 | 34 | 22 | 35 | 34 | 27 | 23 | 36 | 30 | 24 | 24 |
| Direction of wind of maximum velocity | N.W. | N. | S. | S. | N. | N.W. | S.E. | S. | N.W. | N.W. & S.E. | S.W. | S.W. & N.W. |
| Clear days | 15 | 14 | 10 | 17 | 16 | 16 | 13 | 14 | 13 | 20 | 23 | 8 |
| Fair days | 12 | 9 | 10 | 9 | 9 | 13 | 7 | 12 | 12 | 7 | 5 | 15 |
| Cloudy days | 3 | 7 | 10 | 4 | 5 | 1 | 10 | 4 | 5 | 3 | 2 | 7 |
| Days rain fell | 4 | 12 | 16 | 8 | 9 | 8 | 9 | 7 | 12 | 10 | 2 | 11 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Auroras | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 1 | 1 | 0 | 1 | 3 | 3 | 0 | 3 | 0 | 1 | 0 |
| Lunar halos | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| Light frosts | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 4 | 2 | 1 | 0 | 0 |

*Character of Weather Conditions for April, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperatures, between 89° in 1888 and 51° in 1880. Possible range of minima temperatures, between 60° in 1885 and 39° in 1885. Possible range of mean monthly temperatures, between 62° in 1888 and 55° in 1880. Clear days, one day in two. Rain, three days in ten, averaging 0.11 of an inch daily. Cloudy (including rainy) days, one day in six. Wind, hourly mean velocity, 8 miles; most frequent direction, south.

**May Weather in Sacramento, from 1878 to 1888.**—The meteorological record of the following table consists of the average monthly, the highest, lowest, and monthly range of barometer; average monthly, the highest, lowest, and monthly range of temperature; greatest and least daily range of temperature; average, maximum, minimum, and range of temperature; average relative humidity and dew point; total precipitation; prevailing, total, and maximum velocity of wind; the direction at the time of maximum velocity; total number of clear, fair, and cloudy days, with the total number of days rain fell; light frosts; solar and lunar halos; number of days the maximum temperature was above 90°:

| MAY: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.91 | 30.05 | 30.03 | 29.93 | 29.96 | 29.97 | 29.96 | 29.89 | 30.00 | 29.96 | 29.91 |
| Highest barometer | 30.11 | 30.27 | 30.24 | 30.12 | 30.19 | 30.27 | 30.12 | 30.04 | 30.19 | 30.25 | 30.09 |
| Lowest barometer | 29.62 | 29.84 | 29.79 | 29.77 | 29.75 | 29.74 | 29.75 | 29.69 | 29.78 | 29 71 | 29.74 |
| Range of barometer | 0.49 | 0.43 | 0.45 | 0.35 | 0.44 | 0.53 | 0.37 | 0.35 | 0.41 | 0.54 | 0.35 |
| Average temperature | 65.5 | 60.2 | 61.6 | 64.8 | 64.0 | 62.6 | 64.0 | 65.7 | 62.0 | 62.9 | 61.8 |
| Highest temperature | 91.0 | 91.0 | 86.0 | 88.8 | 94.6 | 98.0 | 85.0 | 98.0 | 94.0 | 97.7 | 90.0 |
| Lowest temperature | 47.0 | 43.0 | 39.0 | 48.5 | 40.0 | 42.2 | 50.5 | 49.5 | 44.5 | 39.0 | 45.5 |
| Range of temperature | 44.0 | 48.0 | 47.0 | 40.3 | 54.6 | 55.8 | 34.5 | 48.5 | 49.5 | 58.7 | 44.5 |
| Greatest range of temperature | 29.0 | 32.0 | 26.0 | 31.6 | 31.5 | 33.5 | 25.0 | 33.0 | 35.5 | 35.0 | 33.5 |
| Least range of temperature | 11.0 | 10.0 | 11.0 | 15.3 | 15.1 | 9 5 | 12.5 | 15.0 | 8.5 | 13.2 | 13.5 |
| Average maximum temperature | 76.7 | 71.3 | 71.5 | 78.5 | 76.8 | 73.7 | 75.4 | 79.8 | 75.4 | 75.9 | 75.1 |
| Average minimum temperature | 54.6 | 50.4 | 52.6 | 54.7 | 53.1 | 53.5 | 55.7 | 54.8 | 52.2 | 50.5 | 50.3 |
| Average range of temperature | 22.1 | 20.9 | 18.9 | 23.8 | 23.7 | 20.2 | 19.7 | 25.0 | 23.2 | 25.3 | 24.8 |
| Average humidity | 57.0 | 59.0 | 60.8 | 55.8 | 57.2 | 69.2 | 69.0 | 58.6 | 69.2 | 62.9 | 67.9 |
| Average dew point | | | | | 46.7 | 51.3 | 53.1 | 49.5 | 51.0 | 48.8 | 49.9 |
| Prevailing wind | S. | S.W. | N.W. | S. | S.W. | S. | S. | S.W. | S.W. | S.W. | S.W. |
| Total precipitation | 0.17 | 1.30 | 0.76 | spr. | 0.35 | 2.85 | 0.06 | spr. | 0.07 | spr. | 0.40 |
| Total velocity of wind | 5,068 | 4,959 | 6,586 | 5,428 | 5,593 | 5,204 | 5,772 | 6,289 | 5,467 | 6,422 | 5,934 |
| Highest velocity of wind | 40 | 32 | 32 | 25 | 25 | 28 | 26 | 30 | 27 | 29 | 24 |
| Direction at highest velocity | N. | N. | N.W. | N. | N.W. | N.W. | S.W. | N.W. | N.W. | N.W. | S.W |
| Clear days | 22 | 16 | 20 | 22 | 25 | 16 | 19 | 26 | 23 | 21 | 19 |
| Fair days | 5 | 13 | 7 | 8 | 4 | 8 | 9 | 5 | 6 | 9 | 10 |
| Cloudy days | 4 | 2 | 4 | 1 | 2 | 7 | 3 | 0 | 2 | 1 | 2 |
| Days rain fell | 3 | 5 | 3 | 1 | 3 | 10 | 3 | 1 | 2 | 1 | 3 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Light frosts | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 2 | 0 |
| Solar halos | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 3 | 3 | 1 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Days temperature above 90° | 1 | 1 | 0 | 0 | 2 | 2 | 0 | 4 | 1 | 3 | 0 |

*Character of Weather Conditions for May, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperature, between 98° in 1883, 1885, and 1887, and 55° in 1880. Possible range of minima temperature, between 68° in 1883 and 39° in 1880. Possible range of mean monthly temperature, between 66° in 1885 and 60° in 1879. Clear days, one day in 1.5. Rain, one day in ten, averaging 0.018 of an inch daily. Cloudy (including rainy) days, one day in ten. Wind, hourly mean velocity, 7.6 miles; most frequent direction, southwest.

**June Weather in Sacramento, from 1878 to 1888.**—The recorded data below give the monthly average barometer, along with the highest, lowest, and monthly range of barometer; the average monthly temperature, with the highest, lowest, and monthly range of temperature; the greatest and least daily range of temperature; the mean maximum, minimum, and average range of temperature; average relative humidity and dew point; the prevailing direction, total and maximum velocity of wind, along with the direction at the time of maximum velocity; the total number of clear, fair, and cloudy days, and the number of days rain fell; solar and lunar halos; total number of days the maximum temperature was above 90°:

| JUNE: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.83 | 29.84 | 29.92 | 29.91 | 29.88 | 29.91 | 29.95 | 29.94 | 29.87 | 29.82 | 29.90 |
| Highest barometer | 30.12 | 30.08 | 30.19 | 30.11 | 30.08 | 30.20 | 30.14 | 30.12 | 30.06 | 30.04 | 30.11 |
| Lowest barometer | 29.67 | 29.65 | 29.73 | 29.70 | 29.72 | 29.63 | 29.77 | 29.73 | 29.65 | 29.55 | 29.71 |
| Range of barometer | 0.45 | 0.43 | 0.46 | 0.41 | 0.36 | 0.57 | 0.37 | 0.39 | 0 41 | 0.49 | 0.40 |
| Average temperature | 71.8 | 72.1 | 66.6 | 66.2 | 68.1 | 72.6 | 65.8 | 66.2 | 69.0 | 69.1 | 67.7 |
| Highest temperature | 99.0 | 100.0 | 88.0 | 93.5 | 94.6 | 102.5 | 92.0 | 91.0 | 97.7 | 100.0 | 96.0 |
| Lowest temperature | 49.0 | 52.0 | 51.0 | 48.0 | 51.2 | 49.8 | 52.9 | 51.0 | 51.5 | 47.0 | 48.5 |
| Range of temperature | 50.0 | 48.0 | 37.0 | 45.5 | 43.4 | 52.7 | 39.1 | 40.0 | 46.2 | 53.0 | 47.5 |
| Greatest range of temperature | 36.0 | 33.0 | 30.0 | 31.9 | 33.4 | 36.0 | 30.0 | 34.0 | 35.5 | 37.0 | 38.7 |
| Least range of temperature | 17.0 | 17.0 | 14.0 | 13.1 | 15.0 | 15.1 | 8.5 | 13.0 | 15.0 | 17.1 | 11.0 |
| Mean maximum temperature | 86.0 | 85.7 | 79.9 | 80.5 | 82.7 | 88.1 | 76.3 | 79.9 | 85.3 | 84.4 | 80.8 |
| Mean minimum temperature | 58.4 | 59.8 | 55.8 | 56.0 | 56.4 | 60.1 | 57.6 | 55.9 | 57.0 | 55.1 | 55.2 |
| Mean range of temperature | 27.6 | 25.9 | 24.1 | 24.5 | 26.3 | 28.0 | 18.7 | 24.0 | 28.3 | 29.4 | 25.5 |
| Average humidity | 53.0 | 50.4 | 52.3 | 54.9 | 59.3 | 59.5 | 69.8 | 59.0 | 60.4 | 59.2 | 59.5 |
| Average dew point | | | | | 52.1 | 56.4 | 55.1 | 50.4 | 53.5 | 52.6 | 51.6 |
| Prevailing wind | S. | S. | S. | S. | S. | S. | S. | S.W. | S. | S.W. | S.W. |
| Total precipitation | none | 0.13 | none | 0.50 | 0.10 | none | 1.45 | 0.11 | none | none | 0.08 |
| Total velocity of wind | 4,874 | 5,062 | 5,947 | 5,684 | 5,529 | 5,928 | 5,506 | 6,716 | 5,837 | 5,791 | 5,494 |
| Maximum velocity of wind | 20 | 26 | 22 | 22 | 23 | 31 | 22 | 24 | 42 | 30 | 36 |
| Direction of maximum velocity | N.W. | N. | S. | S.W. | S. | N.W. | S.W. | S.W. | N.W. | S.W. | S.W. |
| Clear days | 27 | 23 | 29 | 24 | 25 | 28 | 18 | 24 | 30 | 24 | 17 |
| Fair days | 3 | 7 | 1 | 5 | 4 | 2 | 5 | 5 | 0 | 6 | 9 |
| Cloudy days | 0 | 0 | 0 | 1 | 1 | 0 | 7 | 1 | 0 | 0 | 4 |
| Days rain fell | 0 | 1 | 0 | 2 | 1 | 0 | 7 | 2 | 0 | 0 | 7 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 7 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature was above 90° | 6 | 10 | 0 | 2 | 5 | 11 | 1 | 2 | 5 | 8 | 2 |

*Character of Weather Conditions for June, as Shown by Observations of the Past Eleven Years.*—Possible range of maxima temperatures, between 102° in 1883 and 62° in 1884. Possible range of minima temperatures, between 72° in 1883–87 and 47° in 1887. Possible range of mean monthly temperatures, between 73° in 1883 and 66° in 1881, 1884, and 1885. Clear days, one day in 1.2. Rain, one day in thirty, averaging 0.008 of an inch daily. Cloudy (including rainy) days, one day in thirty. Wind, hourly mean velocity, 7.9 miles; most frequent direction, south.

**July Weather in Sacramento, from 1877 to 1888.**—In this table will be found the monthly average, highest, lowest, and monthly range of barometer; the monthly average, highest, lowest, and monthly range of temperature; the greatest and least daily range of temperature; the average, maximum, minimum, and range of temperature; average relative humidity and dew point; total precipitation; the prevailing direction, total, and maximum velocity of wind, along with the direction at time of maximum velocity; total number of clear, fair, and cloudy days, and number of days rain fell; solar halos; number of days the maximum temperature was above 90°:

| JULY: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.82 | 29.83 | 29.85 | 29.88 | 29.91 | 29.91 | 29.89 | 29.92 | 29.90 | 29.84 | 29.89 | 29.90 |
| Highest barometer | 29.99 | 29.97 | 30.02 | 30.02 | 30.14 | 30.10 | 30.10 | 30.10 | 30.10 | 30.05 | 30.11 | 30.21 |
| Lowest barometer | 29.64 | 29.71 | 29.67 | 29.69 | 29.72 | 29.74 | 29.64 | 29.78 | 29.70 | 29.67 | 29.74 | 29.75 |
| Range of barometer | 0.25 | 0.26 | 0.35 | 0.33 | 0.42 | 0.36 | 0.46 | 0.32 | 0.40 | 0.38 | 0.37 | 0.46 |
| Average temperature | 75.0 | 73.4 | 71.8 | 70.9 | 71.1 | 73.4 | 73.1 | 71.2 | 71.0 | 72.0 | 70.2 | 71.6 |
| Highest temperature | 103.0 | 98.0 | 100.0 | 98.0 | 98.6 | 97.8 | 103.5 | 96.0 | 98.0 | 105.0 | 99.2 | 104.0 |
| Lowest temperature | 52.0 | 52.0 | 51.0 | 55.0 | 51.9 | 55.9 | 56.0 | 54.5 | 56.0 | 52.2 | 48.0 | 51.0 |
| Range of temperature | 51.0 | 46.0 | 49.0 | 43.0 | 46.7 | 41.9 | 47.5 | 41.5 | 42.0 | 52.8 | 51.2 | 53.0 |
| Greatest range of temperature | 39.0 | 38.0 | 34.0 | 34.0 | 35.7 | 35.6 | 37.0 | 31.8 | 35.0 | 37.8 | 40.0 | 39.0 |
| Least range of temperature | 15.0 | 17.0 | 21.0 | 21.0 | 19.5 | 21.6 | 22.0 | 15.1 | 16.0 | 24.5 | 25.5 | 19.0 |
| Mean maximum temperature | 91.4 | 88.5 | 87.6 | 86.3 | 87.1 | 90.1 | 90.6 | 85.4 | 86.2 | 89.7 | 88.3 | 89.5 |
| Mean minimum temperature | 60.0 | 58.8 | 57.6 | 59.1 | 59.2 | 60.6 | 60.7 | 60.1 | 59.7 | 58.9 | 54.3 | 57.3 |
| Mean range of temperature | 31.4 | 29.7 | 30.0 | 27.2 | 27.9 | 29.5 | 29.9 | 25.3 | 26.5 | 30.8 | 34.0 | 32.2 |
| Average humidity | 43.0 | 50.7 | 51.5 | 55.9 | 51.2 | 54.4 | 57.8 | 59.4 | 55.1 | 60.2 | 59.1 | 57.2 |
| Average dew point | | | | | | 54.5 | 56.3 | 55.5 | 52.9 | 56.3 | 53.9 | 52.6 |
| Prevailing wind | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. |
| Total precipitation | spr. | none | spr. | spr. | spr. | spr. | none | none | spr. | none | none | spr. |
| Total velocity of wind | 4,572 | 4,445 | 4,602 | 5,333 | 5,579 | 5,443 | 5,084 | 5,778 | 6,594 | 4,850 | 5,589 | 5,905 |
| Maximum velocity of wind | 20 | 15 | 15 | 18 | 20 | 28 | 17 | 24 | 25 | 20 | 24 | 24 |
| Direction of maximum velocity | S. | S. | S.W. | N.W. | N.W. | N.W. | S.W. | S.W. | S. | S.W. | S.,S.W. | S.,S.W. |
| Clear days | 29 | 31 | 29 | 26 | 31 | 31 | 31 | 29 | 27 | 30 | 31 | 29 |
| Fair days | 1 | 0 | 2 | 5 | 1 | 0 | 0 | 2 | 4 | 1 | 0 | 2 |
| Cloudy days | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Days rain fell | 1 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 2 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature was above 90° | 20 | 14 | 11 | 5 | 10 | 15 | 12 | 7 | 9 | 13 | 13 | 15 |

*Character of Weather Conditions for July, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures, between 105° in 1886 and 74° in 1879, 1881, and 1885. Possible range of minima temperatures, between 74° in 1886 and 48° in 1887. Possible range of mean monthly temperatures, between 75° in 1877 and 70° in 1887. Clear days, one day in 1.04.

**August Weather in Sacramento, from 1877 to 1888.**—The meteorological data contained in the following report show the monthly average barometer; highest, lowest, and monthly range of barometer; monthly average temperature; the highest, lowest, and monthly range of temperature; greatest and least daily range of temperature; monthly average, maximum, minimum, and range of temperature; average relative humidity and dew point; total rainfall; prevailing direction, total velocity, and maximum velocity of wind, along with the direction at time of maximum velocity; total number of clear, fair, and cloudy days, and number of days rain fell; number of days the maximum temperature was above 90°:

| August: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.89 | 29.82 | 29.80 | 29.84 | 29.89 | 29.89 | 29.92 | 29.89 | 29.83 | 29.83 | 29.80 | 29.85 |
| Highest barometer | 30.06 | 30.06 | 30.03 | 30 05 | 30.14 | 30.09 | 30.09 | 30.09 | 29.98 | 29.97 | 29.96 | 30.04 |
| Lowest barometer | 29.76 | 29.63 | 29.62 | 29.58 | 29.72 | 29.73 | 29.77 | 29.73 | 29.64 | 29.70 | 29.63 | 29.63 |
| Range of barometer | 0.30 | 0 43 | 0.41 | 0.47 | 0.42 | 0.36 | 0.32 | 0.36 | 0.34 | 0.27 | 0.33 | 0.41 |
| Average temperature | 72.9 | 73.4 | 74.7 | 69.7 | 68.2 | 71.9 | 71.4 | 72.5 | 73.0 | 71.6 | 69.1 | 75.4 |
| Highest temperature | 95.0 | 100.5 | 103.0 | 97.0 | 94.6 | 99.8 | 100.0 | 100.0 | 105.0 | 102.0 | 99.7 | 107.5 |
| Lowest temperature | 54.0 | 53.0 | 54.0 | 49.0 | 51.0 | 55.0 | 54.8 | 54.0 | 51.5 | 53.2 | 48.0 | 51.0 |
| Range of temperature | 41.0 | 47.5 | 49.0 | 48.0 | 43.6 | 44.8 | 45.2 | 46.0 | 53.5 | 48.8 | 51.7 | 56.5 |
| Greatest range of temperature | 39 0 | 35.0 | 40.0 | 33.0 | 35.3 | 35.6 | 38.5 | 33.8 | 42.0 | 42.8 | 43.0 | 43.0 |
| Least range of temperature | 23.0 | 18.0 | 19.0 | 19.0 | 21.7 | 23.0 | 19.0 | 20.5 | 21.5 | 23.0 | 22.0 | 25.0 |
| Mean maximum temperature | 89.7 | 88.2 | 90.9 | 85.4 | 84.6 | 89.4 | 88.9 | 88.7 | 91.9 | 90.4 | 86.6 | 94.5 |
| Mean minimum temperature | 56.4 | 58.9 | 60.4 | 57.0 | 56.0 | 58.6 | 59.2 | 60.8 | 59.8 | 58.4 | 53.6 | 59.2 |
| Mean range of temperature | 33.3 | 29.3 | 30.5 | 28.4 | 28.6 | 30.8 | 29.7 | 27.9 | 32.1 | 32.0 | 33.0 | 35.3 |
| Average humidity | 46.0 | 52.0 | 49.2 | 56.1 | 56.9 | 57.3 | 57.8 | 60.8 | 53.2 | 57.8 | 60.7 | 55.0 |
| Average dew point | | | | | | 54.7 | 54.4 | 57.5 | 53.3 | 54.8 | 53.5 | 54.8 |
| Prevailing wind | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. |
| Total precipitation | spr. | none | spr. | none | none | none | none | spr. | none | none | spr. | spr. |
| Total velocity of wind | 3,650 | 3,984 | 3,981 | 4,786 | 5,189 | 4,477 | 4,597 | 5,234 | 5,164 | 4,233 | 5,085 | 4,226 |
| Maximum velocity of wind | 20 | 13 | 14 | 20 | 19 | 16 | 18 | 18 | 18 | 18 | 24 | 18 |
| Direction of maximum velocity | S. | S. | S. & N. | S. | S.W. | S. | N.W. | S.W. | S.W. | S.W. | S. | S.W. & S.E. |
| Clear days | 31 | 25 | 29 | 30 | 31 | 31 | 30 | 29 | 30 | 31 | 31 | 30 |
| Fair days | 0 | 6 | 2 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 1 |
| Cloudy days | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Days rain fell | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature above 90° | 16 | 10 | 17 | 7 | 4 | 12 | 11 | 13 | 19 | 17 | 10 | 23 |

*Character of Weather Conditions for August, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures between 108° in 1888 and 73° in 1878. Possible range of minima temperatures, between 74° in 1885 and 48° in 1887. Possible range of monthly mean temperatures, between 75° in 1879–1888 and 68° in 1881. Clear days, one day in 1.04. Rain, one day in thirty-one, averaging a sprinkle. Cloudy (including rainy) days, no cloudy days in twelve years. Wind, hourly mean velocity, 6 miles per hour; prevailing direction, from the south.

**September Weather in Sacramento, from 1877 to 1888.**—The following table gives the monthly average barometer; the highest, lowest, and monthly range of barometer; the monthly average temperature; the highest, lowest, and monthly range of temperature; the greatest and least daily ranges of temperature; the monthly average, maximum, minimum, and range of temperature; the average relative humidity and dew point; total rainfall; the prevailing direction, total and maximum velocity of wind, with the direction at time of the maximum velocity; total number of clear, fair, and cloudy days, with number of days rain fell; solar and lunar halos; number of days the maximum temperature was above 90°:

| SEPTEMBER: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.85 | 29.92 | 29.91 | 29.92 | 29.89 | 29.93 | 29.90 | 29.93 | 29.86 | 29.87 | 29.87 | 29.84 |
| Highest barometer | 30.10 | 30.12 | 30.05 | 30.06 | 30.16 | 30.19 | 30.05 | 30.16 | 29.97 | 30.04 | 30.04 | 30.04 |
| Lowest barometer | 29.70 | 29.77 | 29.77 | 29.73 | 29.61 | 29.77 | 29.72 | 29.62 | 29.74 | 29.77 | 29.65 | 29.58 |
| Range of barometer | 0.40 | 0.35 | 0.28 | 0.33 | 0.55 | 0.42 | 0.33 | 0.54 | 0.23 | 0.27 | 0.39 | 0.46 |
| Average temperature | 72.8 | 69.0 | 70.5 | 68.0 | 67.8 | 68.4 | 71.6 | 64.8 | 69.8 | 67.9 | 70.4 | 7.37 |
| Highest temperature | 98.0 | 92.0 | 96.0 | 92.0 | 96.1 | 99.6 | 101.0 | 93.5 | 98.5 | 96.0 | 100.0 | 106.0 |
| Lowest temperature | 49.0 | 48.0 | 52.0 | 48.0 | 50.0 | 44.4 | 52.9 | 49.0 | 50.5 | 49.0 | 45.7 | 50.5 |
| Range of temperature | 49.0 | 44.0 | 44.0 | 44.0 | 46.1 | 55.2 | 48.1 | 44.5 | 48.0 | 47.0 | 54.3 | 55.5 |
| Greatest range of temperature | 40.0 | 34.0 | 37.0 | 35.0 | 37.7 | 36.5 | 40.0 | 33.0 | 41.8 | 40.0 | 39.5 | 42.0 |
| Least range of temperature | 19.0 | 12.0 | 19.0 | 23.0 | 12.8 | 5.2 | 10.0 | 19.0 | 14.0 | 20.0 | 16.2 | 14.0 |
| Mean maximum temperature | 87.6 | 81.6 | 85.3 | 83.2 | 82.1 | 82.7 | 87.3 | 79.5 | 88.2 | 86.0 | 86.3 | 91.4 |
| Mean minimum temperature | 57.3 | 55.6 | 57.3 | 54.9 | 55.5 | 56.8 | 59.6 | 53.5 | 56.3 | 55.0 | 55.3 | 59.5 |
| Mean range of temperature | 30.3 | 26.0 | 28.0 | 28.3 | 26.6 | 25.9 | 27.7 | 26.0 | 31.9 | 31.0 | 31.0 | 31.9 |
| Average humidity | 43.0 | 51.0 | 54.4 | 54.9 | 52.8 | 59.4 | 57.6 | 63.4 | 52.6 | 59.0 | 53.3 | 56.2 |
| Average dew point | | | | | 48.5 | 52.0 | 54.6 | 51.2 | 49.4 | 51.5 | 50.9 | 54.3 |
| Prevailing wind | S. | S. | S. | S. | S. | S.E. & S. | S. | S. | S. | S. | N.W. | S. |
| Total precipitation | none | 0.29 | none | none | 0.30 | 0.57 | 0.90 | 0.60 | 0.08 | none | 0.02 | 0.55 |
| Total velocity of wind | 4,009 | 4,051 | 3,395 | 4,014 | 4,694 | 3,905 | 3,657 | 4,847 | 4,468 | 3,364 | 4,052 | 4,033 |
| Maximum velocity of wind | 20 | 24 | 22 | 16 | 22 | 27 | 16 | 27 | 20 | 26 | 24 | 24 |
| Direction of maximum velocity | N.W. | N. | N.W. | N. | N.W. | N.W. | S.W. & S. | N.W. | N.W. | N.W. | N.W. & S.W. | S.W. & N.E. |
| Clear days | 30 | 23 | 23 | 28 | 26 | 26 | 24 | 27 | 27 | 30 | 23 | 24 |
| Fair days | 0 | 6 | 7 | 1 | 4 | 3 | 5 | 3 | 3 | 0 | 7 | 3 |
| Cloudy days | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| Days rain fell | 0 | 3 | 0 | 0 | 1 | 2 | 3 | 4 | 1 | 0 | 3 | 3 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| Solar halos | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature above 90° | 12 | 4 | 10 | 4 | 5 | 8 | 8 | 1 | 11 | 9 | 10 | 17 |

*Character of Weather Conditions for September, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures, between 106° in 1888 and 61° in 1882. Possible range of minima temperatures, between 70° in 1888 and 44° in 1884. Possible range of monthly mean temperatures, between 74° in 1888 and 65° in 1884. Clear days, one day in 1.2. Rain, one day in thirty, averaging .009 of an inch daily. Cloudy (including rainy) days, one day in thirty. Wind, hourly mean velocity, 6 miles per hour; most frequent direction, south.

**October Weather in Sacramento, from 1877 to 1888.**—The weather changes, etc., in the following review show the monthly average barometer; the highest, lowest, and monthly range of barometer; monthly average temperature; the highest, lowest, and monthly range of temperature; greatest and least daily range of temperature; highest, lowest, and range of temperature; mean maximum, minimum, and range of temperature; the average relative humidity and dew point; total rainfall; prevailing direction, total, and maximum velocity of wind, and the direction at the time of maximum velocity; total number of clear, fair, and cloudy days, with total number of days rain fell; solar and lunar halos; light frosts; number of days maximum temperature was above 90°:

| October: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.97 | 29.98 | 30.01 | 30 02 | 30.03 | 30.02 | 30.00 | 29.99 | 29.95 | 30.02 | 29.96 | 29.93 |
| Highest barometer | 30.16 | 30.23 | 30.28 | 30.23 | 30.30 | 30.28 | 30.31 | 30.19 | 30.14 | 30.28 | 30.21 | 30.13 |
| Lowest barometer | 29.83 | 29.68 | 29.66 | 29.74 | 29.79 | 29.80 | 29.62 | 29.74 | 29.68 | 29.80 | 29.74 | 29.76 |
| Range of barometer | 0.33 | 0.55 | 0.62 | 0.49 | 0.51 | 0.48 | 0.69 | 0.45 | 0.46 | 0.48 | 0.47 | 0.37 |
| Average temperature | 62.9 | 62.9 | 61.5 | 62.1 | 56.8 | 58.4 | 58.2 | 59.9 | 64.3 | 57.1 | 66.5 | 64.2 |
| Highest temperature | 88.0 | 86.0 | 87.0 | 85.0 | 81.0 | 76.8 | 81.0 | 80.5 | 98.0 | 85.5 | 92.0 | 91.5 |
| Lowest temperature | 38.0 | 40.0 | 40.0 | 46.0 | 36.4 | 38.8 | 42.2 | 42.0 | 40.0 | 38.5 | 42.0 | 40.0 |
| Range of temperature | 50.0 | 46.0 | 37.0 | 39.0 | 44.6 | 38.0 | 38.8 | 38.5 | 58.0 | 47.0 | 50.0 | 51.5 |
| Greatest range of temperature | 32.0 | 34.0 | 34.0 | 31.0 | 35.0 | 27.1 | 28.0 | 31.0 | 39.3 | 36.0 | 38.0 | 35.0 |
| Least range of temperature | 11.0 | 5.0 | 14.0 | 12.0 | 7.1 | 7.0 | 10.1 | 3.5 | 19.0 | 6.0 | 17.7 | 19.0 |
| Mean maximum temperature | 70.2 | 75.3 | 74.0 | 75.0 | 68.7 | 68.6 | 69.5 | 72.1 | 79.9 | 70.9 | 81.2 | 79.7 |
| Mean minimum temperature | 50.2 | 48.6 | 48.9 | 49.8 | 46.5 | 49.0 | 48.4 | 49.6 | 51.4 | 46.7 | 51.6 | 50.8 |
| Mean range of temperature | 20.0 | 26.7 | 25.1 | 25.2 | 22.2 | 19.6 | 21.1 | 22.5 | 28.5 | 24.2 | 29.6 | 28.9 |
| Average humidity | 49.0 | 54.0 | 63.1 | 54.3 | 62.6 | 72.5 | 71.2 | 71.2 | 62.3 | 69.7 | 46.0 | 62.0 |
| Average dew point | | | | | 42.2 | 48.7 | 48.0 | 49.8 | 49.1 | 46.2 | 42.6 | 48.8 |
| Prevailing wind | N. | N. | S. | N. | S. | S. | S. | S.E.&N. | N.W. | N.W. | N.W. | S.E. |
| Total precipitation | 0.73 | 0.55 | 0.88 | none | 0.55 | 2.63 | 0.97 | 2.01 | 0.02 | 0.08 | none | none |
| Total velocity of wind | 4,044 | 4,078 | 3,077 | 3,656 | 4,538 | 3,897 | 3,988 | 3,495 | 3,761 | 3,583 | 4,624 | 4,682 |
| Maximum velocity of wind | 28 | 28 | 16 | 18 | 19 | 28 | 21 | 20 | 18 | 17 | 33 | 36 |
| Direction of maximum velocity | N. & N.W. | N. | N.W. | S.W.& N.W. | S.W. & N. | S.E. | S. E. | S.W. | S.W. | N.W. | N.W. | N.W. |
| Clear days | 27 | 28 | 23 | 23 | 22 | 19 | 19 | 26 | 20 | 22 | 28 | 28 |
| Fair days | 0 | 1 | 5 | 7 | 8 | 10 | 9 | 4 | 9 | 9 | 3 | 3 |
| Cloudy days | 4 | 2 | 3 | 1 | 1 | 2 | 3 | 1 | 2 | 0 | 0 | 0 |
| Days rain fell | 5 | 1 | 4 | 0 | 7 | 7 | 8 | 5 | 3 | 5 | 0 | 0 |
| Solar halos | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| Lunar halos | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Electric storms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Light frosts | 2 | 1 | 0 | 0 | 3 | 8 | 10 | 3 | 0 | 0 | 0 | 2 |
| Number of days temperature above 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 1 |

*Character of Weather Conditions for October, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures between 98° in 1885 and 50° in 1886. Possible range of minima temperatures between 64° in 1887 and 36° in 1881. Possible range of mean monthly temperatures between 66° in 1887 and 40° in 1888. Clear days, one day in 1.3. Rainy days, one day in eight, averaging .026 of an inch daily. Cloudy days, one day in eight. Wind, hourly mean velocity of 5 miles; most frequent direction, north.

**November Weather in Sacramento, from 1877 to 1888.**—This meteorological table shows the monthly average barometer; highest, lowest, and monthly range of barometer; monthly average temperature; the greatest and least daily range of temperature; mean maximum, minimum, and range of temperature; monthly average relative humidity and dew point; total precipitation; prevailing direction, total and maximum velocity of wind, and direction at the time of maximum velocity; total number of clear, fair, and cloudy days, and total number of days rain fell; solar and lunar halos; light and killing frosts; number of days the minimum temperature was below 32°:

| NOVEMBER: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.11 | 30.09 | 30.10 | 30.16 | 30.16 | 30.12 | 30.13 | 30.08 | 29.98 | 30.15 | 30.04 | 30.01 |
| Highest barometer | 30.34 | 30.47 | 30.41 | 30.49 | 30.44 | 30.45 | 30.41 | 30.27 | 30.27 | 30.37 | 30.31 | 30.20 |
| Lowest barometer | 29.82 | 29.78 | 29.38 | 29.83 | 29.92 | 29.84 | 29.93 | 29.79 | 29.46 | 29.58 | 29.73 | 29.69 |
| Range of barometer | 0.52 | 0.69 | 1.03 | 0.66 | 0.52 | 0.61 | 0.48 | 0.48 | 0.81 | 0.79 | 0.58 | 0.51 |
| Average temperature | 54.7 | 55.5 | 50.9 | 49.7 | 50.8 | 49.5 | 50.5 | 55.3 | 54.4 | 50.4 | 54.7 | 53.6 |
| Highest temperature | 70.0 | 72.0 | 70.0 | 76.0 | 71.0 | 65.6 | 71.0 | 75.2 | 77.0 | 74.2 | 75.2 | 75.0 |
| Lowest temperature | 37.0 | 34.0 | 33.0 | 27.0 | 32.0 | 34.0 | 29.0 | 37.7 | 38.5 | 32.2 | 28.0 | 32.2 |
| Range of temperature | 33.0 | 38.0 | 37.0 | 49.0 | 39.0 | 31.6 | 42.0 | 37.5 | 38.5 | 42.0 | 47.2 | 42.8 |
| Greatest range of temperature | 27.0 | 31.0 | 28.0 | 36.0 | 28.1 | 22.6 | 28.0 | 29.5 | 28.2 | 34.2 | 35.5 | 35.0 |
| Least range of temperature | 8.0 | 10.0 | 8.0 | 7.0 | 8.0 | 41.8 | 6.6 | 16.0 | 4.3 | 6.2 | 10.0 | 4.0 |
| Mean maximum temperature | 62.6 | 65.3 | 60.6 | 60.7 | 61.1 | 57.8 | 62.1 | 67.6 | 61.6 | 63.0 | 67.5 | 64.2 |
| Mean minimum temperature | 44.4 | 43.2 | 41.0 | 38.0 | 40.1 | 41.3 | 40.1 | 44.7 | 48.2 | 38.6 | 41.6 | 43.9 |
| Mean range of temperature | 18.2 | 22.1 | 19.6 | 22.7 | 21.0 | 16.5 | 22.0 | 22.9 | 13.4 | 24.4 | 25.9 | 20.3 |
| Average humidity | 72.0 | 66.0 | 73.5 | 51.6 | 61 8 | 76.9 | 77.5 | 72.6 | 84.1 | 64.9 | 62.8 | 71.2 |
| Average dew point | | | | | 36.6 | 41.9 | 43.4 | 46.1 | 49 2 | 37.6 | 41.1 | 42.8 |
| Prevailing wind | N. | N. | N. | N. | N. | N.W. | S.E. | N. | S.E. | N.W. | N.W. | S.E. |
| Total precipitation | 1.07 | 0.51 | 2.05 | 0.05 | 1.88 | 3.22 | 0 61 | none | 11.34 | 0.21 | 0.45 | 4.28 |
| Total velocity of wind | 2,616 | 3,140 | 4,020 | 3,848 | 3,761 | 3,411 | 3,126 | 2,317 | 5,985 | 3,685 | 3,190 | 3,487 |
| Maximum velocity of wind | 23 | 32 | 36 | 28 | 24 | 32 | 25 | 22 | 36 | 36 | 27 | 21 |
| Direction of maximum velocity | N. | N. | N. | N. | N. | N.W. | N.W. | S.E. | S.E. | N.W. | N.W. | N.W. |
| Clear days | 18 | 20 | 13 | 20 | 25 | 16 | 24 | 22 | 4 | 26 | 24 | 17 |
| Fair days | 6 | 9 | 8 | 6 | 3 | 9 | 4 | 6 | 11 | 3 | 3 | 7 |
| Cloudy days | 6 | 1 | 9 | 4 | 2 | 5 | 2 | 2 | 15 | 1 | 3 | 6 |
| Days rain fell | 8 | 3 | 9 | 2 | 4 | 7 | 3 | 0 | 21 | 2 | 4 | 9 |
| Solar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Lunar halos | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| Light frosts | 1 | 5 | 5 | 4 | 8 | 18 | 9 | 14 | 3 | 20 | 5 | 3 |
| Killing frosts | 0 | 3 | 4 | 12 | 3 | 0 | 6 | 0 | 0 | 2 | 3 | 0 |
| Number of days temperature below 32° | 0 | 0 | 0 | 9 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |

*Character of the Weather Conditions for November, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures between 77° in 1885 and 45° in 1880. Possible range of minima temperatures between 58° in 1885 and 27° in 1880. Possible range of mean monthly temperatures between 56° in 1878 and 50° in 1882. Clear days, one day in 1.6. Rainy days, one day in six, averaging .065 of an inch daily. Cloudy days, one day in 4.5. Wind, hourly mean velocity of 5 miles; most frequent direction, north.

**December Weather in Sacramento, from 1877 to 1888.**—The weather review in the following table shows the monthly average barometer; highest, lowest, and monthly range of barometer; the monthly average temperature; highest, lowest, and monthly range of temperature; the greatest and least daily range of temperature; the mean maximum, minimum, and range of temperature; the average relative humidity and dew point; total precipitation; prevailing direction, total, and maximum velocity of wind, with the direction at time of maximum velocity; total number of clear, fair, cloudy, and foggy days, and total number of days rain fell; solar and lunar halos; light and killing frosts; number of days the minimum temperature was below 32°:

| DECEMBER: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.05 | 30.13 | 30.13 | 30.04 | 30.20 | 30.18 | 30.18 | 29.96 | 30.14 | 30.16 | 30.13 | 30.07 |
| Highest barometer | 30.38 | 30.51 | 30.68 | 30.46 | 30.41 | 30.38 | 30.49 | 30.30 | 30.35 | 30.40 | 30.35 | 30.33 |
| Lowest barometer | 29.66 | 29.78 | 29.47 | 29.48 | 29.88 | 29.77 | 29.72 | 29.49 | 29.77 | 29.86 | 29.50 | 29.49 |
| Range of barometer | 0.72 | 0.73 | 1.21 | 0.98 | 0.53 | 0.61 | 0.77 | 0.81 | 0.58 | 0.54 | 0.85 | 0.84 |
| Average temperature | 48.6 | 47.2 | 44.0 | 50.3 | 46.2 | 48.2 | 44.2 | 48.8 | 49.1 | 49.2 | 46.9 | 48.4 |
| Highest temperature | 67.0 | 66.3 | 63.0 | 63.0 | 62.0 | 68.0 | 67.0 | 65.0 | 64.7 | 65.2 | 65.0 | 63.0 |
| Lowest temperature | 32.0 | 23.5 | 25.0 | 38.0 | 31.9 | 27.0 | 24.0 | 27.0 | 37.7 | 32.0 | 29.0 | 36.0 |
| Range of temperature | 35.0 | 42.8 | 38.0 | 25.0 | 30.1 | 41.0 | 43.0 | 38.0 | 27.0 | 33.2 | 36.0 | 27.0 |
| Greatest range of temperature | 27.0 | 28.5 | 21.0 | 13 0 | 20.9 | 23.2 | 31.0 | 27.5 | 16.0 | 32.2 | 31.5 | 20.0 |
| Least range of temperature | 6.0 | 13.0 | 7.0 | 3.0 | 5.0 | 7.5 | 6.5 | 5.0 | 2.8 | 5.5 | 7.5 | 3.0 |
| Mean maximum temperature | 56.3 | 57.2 | 50.4 | 54.4 | 52.7 | 55.7 | 53.3 | 56.2 | 53.8 | 57.6 | 55.6 | 53.2 |
| Mean minimum temperature | 39.3 | 34.7 | 36.5 | 45.4 | 39.6 | 40.1 | 36.4 | 41.6 | 45.0 | 42.2 | 37.6 | 43.7 |
| Mean range of temperature | 17.0 | 22.5 | 13.9 | 9.0 | 13.1 | 15.6 | 16.9 | 14.6 | 8.8 | 15.4 | 18.0 | 9.5 |
| Average humidity | 74.0 | 55.0 | 84.0 | 87.9 | 85.5 | 82.4 | 88.5 | 71.1 | 90.3 | 82.9 | 77.6 | 91.1 |
| Average dew point | | | | | 41.7 | 42.6 | 40.7 | 38.9 | 40.2 | 43.8 | 39.7 | 45.8 |
| Prevailing wind | N. | N. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. |
| Total precipitation | 1.43 | 0.47 | 3.41 | 11.81 | 3.27 | 1.13 | 0.44 | 10.45 | 5.76 | 2.21 | 2.09 | 4.63 |
| Total velocity of wind | 3,187 | 4,031 | 4,928 | 6,453 | 3,717 | 3,544 | 2,845 | 7,817 | 4,458 | 3,294 | 5,064 | 3,447 |
| Maximum velocity of wind | 16 | 30 | 39 | 40 | 24 | 19 | 16 | 36 | 25 | 25 | 40 | 36 |
| Direction of maximum velocity | S. | N. | S. | S.E. | S.E. | W.S.E. & S.W. | W. | N.W. | N.W. | S.E. | S.E. | S.E. |
| Clear days | 13 | 22 | 11 | 3 | 15 | 16 | 17 | 13 | 11 | 12 | 15 | 5 |
| Fair days | 11 | 5 | 8 | 5 | 9 | 11 | 10 | 8 | 7 | 11 | 13 | 7 |
| Cloudy days | 7 | 4 | 12 | 23 | 7 | 4 | 4 | 10 | 13 | 8 | 3 | 18 |
| Foggy days | 0 | 0 | 4 | 3 | 5 | 1 | 8 | 0 | 3 | 0 | 0 | 0 |
| Days rain fell | 5 | 4 | 12 | 22 | 12 | 8 | 8 | 14 | 10 | 8 | 10 | 16 |
| Days snow fell | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar halos | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Light frosts | 6 | 7 | 2 | 0 | 7 | 13 | 4 | 13 | 5 | 3 | 3 | 4 |
| Killing frosts | 6 | 13 | 8 | 0 | 1 | 2 | 8 | 5 | 0 | 2 | 10 | 0 |
| Number of days temperature below 32° | 0 | 10 | 8 | 0 | 1 | 1 | 3 | 4 | 0 | 0 | 3 | 0 |

*Character of Weather Conditions for December, as Shown by Observations of the Past Twelve Years.*—Possible range of maxima temperatures, between 68° in 1882 and 37° in 1882. Possible range of minima temperatures between 56° in 1884 and 24° in 1878 and 1883. Possible range of mean monthly temperatures, between 50° in 1880 and 44° in 1879 and 1883. Clear days, one day in two. Rainy days, one in three, averaging .12 of an inch daily. Cloudy days, one day, in three. Wind, hourly mean velocity of 6 miles; most frequent direction, southeast.

**Comparative Winter Weather in Sacramento, from 1877–78 to 1888–89.**—This table of winter comparisons shows the average, highest, lowest, and range of barometer; average, highest, lowest, and range of temperature; the average relative humidity, and the average dew point; total rainfall; prevailing wind; total and maximum velocity, with the direction of wind at the time of maximum velocity; total number of clear, fair, cloudy, and foggy days, and total number of days rain fell; number of snow storms; solar and lunar halos; light and killing frosts; number of days the temperature was below 32°:

| Winter of: | 1877-78. | 1878-79. | 1879-80. | 1880-81. | 1881-82. | 1882-83. | 1883-84. | 1884-85. | 1885-86. | 1886-87. | 1887-88. | 1888-89. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.00 | 30.12 | 30.16 | 30.12 | 30.17 | 30.19 | 30.12 | 30.09 | 30.10 | 30.11 | 30.15 | 30.10 |
| Highest barometer | 30.38 | 30.51 | 30.68 | 30.46 | 30.52 | 30.74 | 30.58 | 30.43 | 30.40 | 30.51 | 30.63 | 30.37 |
| Lowest barometer | 29.46 | 29.77 | 29.47 | 29.48 | 29.75 | 29.68 | 29.42 | 29.49 | 29.32 | 29.54 | 29.50 | 29.49 |
| Range of barometer | 0.92 | 0.74 | 1.21 | 0.98 | 0.77 | 1.06 | 1.16 | 0.94 | 1.08 | 0.99 | 1.13 | 0.88 |
| Average temperature | 49.9 | 49.2 | 44.5 | 51.0 | 45.9 | 45.4 | 45.9 | 50.0 | 49.4 | 47.5 | 47.4 | 47.8 |
| Highest temperature | 67.0 | 73.5 | 64.0 | 67.0 | 62.8 | 71.7 | 71.0 | 70.0 | 72.7 | 67.0 | 75.0 | 76.0 |
| Lowest temperature | 27.0 | 23.5 | 25.0 | 35.0 | 29.0 | 22.0 | 21.0 | 27.0 | 27.5 | 30.0 | 19.0 | 31.0 |
| Range of temperature | 40.0 | 50.0 | 39.0 | 32.0 | 33.8 | 49.7 | 50.0 | 43.0 | 45.2 | 37.0 | 56.0 | 45.0 |
| Average humidity | 77.1 | 68.3 | 77.2 | 84.0 | 76.4 | 77.9 | 83.0 | 77.7 | 87.1 | 77.6 | 76.6 | 79.9 |
| Average dew point | | | | | 38.1 | 38.2 | 40.6 | 42.6 | 43.3 | 40.2 | 39.8 | 41.0 |
| Prevailing wind | S.E. | N. | S.E. | S.E. | N. | S.E. | S.E. | N.W. | N.W. | S.E. | S.E. | S.E. |
| Total precipitation | 18.74 | 7.53 | 6.88 | 23.01 | 7.56 | 4.47 | 8.33 | 13.10 | 14.00 | 9.61 | 7.47 | 5.11 |
| Total velocity of wind | 13,452 | 12,650 | 13,735 | 16,092 | 14,611 | 11,131 | 12,294 | 16,406 | 13,889 | 14,003 | 13,944 | 10,519 |
| Maximum velocity of wind | 36 | 33 | 39 | 40 | 32 | 36 | 33 | 36 | 44 | 33 | 40 | 36 |
| Direction of maximum velocity | S.E. | N. | S. | S.E. | N. | N.W. | S. | N.W. | S.E. | N.W. | S.E. | N.W. & S.E. |
| Clear days | 26 | 44 | 39 | 14 | 46 | 52 | 47 | 40 | 42 | 41 | 44 | 36 |
| Fair days | 28 | 31 | 17 | 26 | 26 | 30 | 25 | 28 | 29 | 29 | 32 | 29 |
| Cloudy days | 36 | 15 | 35 | 50 | 18 | 8 | 19 | 23 | 19 | 20 | 15 | 25 |
| Foggy days | 0 | 0 | 6 | 6 | 5 | 4 | 8 | 0 | 7 | 0 | 0 | 0 |
| Days rain fell | 39 | 23 | 29 | 46 | 30 | 16 | 26 | 28 | 26 | 28 | 33 | 25 |
| Snow storms | 0 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 3 | 0 |
| Solar halos | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 0 | 1 | 1 | 1 |
| Lunar halos | 0 | 0 | 3 | 2 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 |
| Number of light frosts | 9 | 15 | 11 | 11 | 27 | 19 | 5 | 25 | 8 | 10 | 5 | 18 |
| Number of killing frosts | 12 | 26 | 17 | 0 | 11 | 28 | 25 | 5 | 6 | 15 | 24 | 12 |
| Number of days temperature below 32° | 5 | 17 | 17 | 0 | 5 | 23 | 11 | 4 | 4 | 4 | 15 | 7 |

**Comparative Spring Weather in Sacramento, from 1878 to 1888.**—The following table shows the average, highest, lowest, and range of barometer; average, highest, lowest, and range of temperature; average relative humidity and dew point; total precipitation; prevailing direction, total and maximum velocity of wind, with the direction at time of maximum velocity; total number of clear, fair, and cloudy days, and days that rain fell; solar and lunar halos; light and killing frosts; number of days the maximum temperature was above 90°, and the minimum below 32°:

| Spring of: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.94 | 30.05 | 30.06 | 30.01 | 30.04 | 30.01 | 29.97 | 29.97 | 30.00 | 29.96 | 29.98 |
| Highest barometer | 30.39 | 30.33 | 30.36 | 30.41 | 30.38 | 30.43 | 30.30 | 30.37 | 30.35 | 30.27 | 30.48 |
| Lowest barometer | 29.56 | 29.73 | 29.55 | 29.68 | 29.71 | 29.62 | 29.51 | 29.52 | 29.63 | 29.65 | 29.64 |
| Range of barometer | 0.83 | 0.60 | 0.81 | 0.73 | 0.67 | 0.81 | 0.79 | 0.85 | 0.72 | 0.62 | 0.84 |
| Average temperature | 60.5 | 59.3 | 55.0 | 60.4 | 57.6 | 58.5 | 57.9 | 61.8 | 56.5 | 59.7 | 59.2 |
| Highest temperature | 91.0 | 91.0 | 86.0 | 88.8 | 94.6 | 98.0 | 85.0 | 98.0 | 94.0 | 98.0 | 90.0 |
| Lowest temperature | 40.0 | 38.0 | 29.0 | 37.0 | 34.1 | 39.8 | 39.0 | 39.0 | 37.7 | 39.0 | 37.0 |
| Range of temperature | 51.0 | 53.0 | 57.0 | 51.8 | 60.5 | 58.2 | 46.0 | 59.0 | 56.3 | 59.0 | 53.0 |
| Average humidity | 67.1 | 68.4 | 66.2 | 68.4 | 61.9 | 68.9 | 73.3 | 64.9 | 71.9 | 65.3 | 66.9 |
| Average dew point | | | | | 43.0 | 47.3 | 48.8 | 48.8 | 46.7 | 46.8 | 47.0 |
| Prevailing wind | S. | S.E. | S.E. | S. | N. | S. | S.W. | S.W. | S.W. | N.W. | S.W. |
| Total precipitation | 4.33 | 8.84 | 16.66 | 3.01 | 6.12 | 7.22 | 12.52 | 0.76 | 6.83 | 3.52 | 3.54 |
| Total velocity of wind | 13,962 | 14,530 | 19,653 | 14,966 | 17,774 | 15,825 | 18,168 | 16,670 | 17,759 | 17,211 | 16,810 |
| Maximum velocity of wind | 40 | 32 | 36 | 28 | 35 | 34 | 35 | 30 | 37 | 30 | 48 |
| Direction of maximum velocity | N. | N. | N. | N. | N. | N.W. | S. | N.W. | N.W. | S.E. & N.W. | S.E. |
| Clear days | 45 | 39 | 49 | 60 | 57 | 54 | 46 | 58 | 50 | 61 | 59 |
| Fair days | 28 | 34 | 24 | 22 | 19 | 26 | 23 | 28 | 30 | 25 | 23 |
| Cloudy days | 19 | 19 | 19 | 10 | 16 | 12 | 23 | 6 | 12 | 6 | 10 |
| Days rain fell | 21 | 32 | 27 | 16 | 25 | 24 | 27 | 11 | 26 | 17 | 19 |
| Solar halos | 1 | 1 | 3 | 0 | 1 | 5 | 5 | 0 | 6 | 5 | 2 |
| Lunar halos | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 2 | 0 | 2 |
| Number of light frosts | 2 | 2 | 3 | 5 | 6 | 2 | 10 | 4 | 4 | 3 | 0 |
| Number of killing frosts | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature above 90° | 1 | 1 | 0 | 0 | 2 | 2 | 0 | 4 | 1 | 3 | 0 |
| Number of days temperature below 32° | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Comparative Summer Weather in Sacramento, from 1878 to 1888.**—The tabulated meteorological data below show the average, highest, lowest, and range of barometer; average, highest, lowest, and range of temperature; prevailing direction, total and maximum velocity of wind, with the direction at the time of maximum velocity; total number of clear, fair, and cloudy days, and number of days upon which rain fell; solar and lunar halos; light and killing frosts; total number of days maximum temperature was above 90°:

| Summer of: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.82 | 29.82 | 29.88 | 29.90 | 29.90 | 29.91 | 29.92 | 29.87 | 29.85 | 29.78 | 29.88 |
| Highest barometer | 30.12 | 30.08 | 30.19 | 30.14 | 30.10 | 30.20 | 30.14 | 30.12 | 30.06 | 30.06 | 30.21 |
| Lowest barometer | 29.63 | 29.62 | 29.58 | 29.70 | 29.72 | 29.63 | 29.73 | 29.64 | 29.65 | 29.50 | 29.63 |
| Range of barometer | 0.49 | 0.46 | 0.61 | 0.44 | 0.38 | 0.57 | 0.41 | 0.48 | 0.41 | 0.56 | 0.58 |
| Average temperature | 72.9 | 72.9 | 69.1 | 68.5 | 71.1 | 72.4 | 69.8 | 70.1 | 70.9 | 69.5 | 71.6 |
| Highest temperature | 100.5 | 103.0 | 98.0 | 98.6 | 99.8 | 103.5 | 100.0 | 105.0 | 105.0 | 100.0 | 107.5 |
| Lowest temperature | 49.0 | 51.0 | 49.0 | 48.0 | 51.2 | 49.8 | 52.9 | 51.5 | 51.5 | 47.0 | 48.5 |
| Range of temperature | 51.5 | 52.0 | 49.0 | 50.6 | 48.6 | 53.7 | 47.1 | 43.5 | 53.5 | 53.0 | 59.0 |
| Average humidity | 54.7 | 52.7 | 59.3 | 56.3 | 57.0 | 58.4 | 63.3 | 55.8 | 59.5 | 59.7 | 57.2 |
| Average dew point | | | | | 53.8 | 55.7 | 56.0 | 52.2 | 54.8 | 53.3 | 53.0 |
| Prevailing wind | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. | S. |
| Total precipitation | .00 | 0.13 | sprin. | 0.50 | 0.10 | .00 | 1.45 | 0.11 | .00 | sprin. | 0.08 |
| Total velocity of wind | 13,303 | 13,645 | 16,066 | 16,531 | 15,449 | 15,609 | 16,518 | 18,474 | 14,917 | 16,465 | 15,625 |
| Maximum velocity of wind | 20 | 26 | 22 | 22 | 28 | 31 | 24 | 25 | 42 | 30 | 36 |
| Direction of maximum velocity | N.W. | N. | S. | S.W. | N.W. | N.W. | S.W. | S. | N.W. | S.W. | S.W. |
| Clear days | 83 | 81 | 85 | 86 | 87 | 89 | 77 | 81 | 91 | 86 | 77 |
| Fair days | 9 | 11 | 7 | 5 | 4 | 3 | 9 | 10 | 1 | 6 | 11 |
| Cloudy days | 0 | 0 | 0 | 1 | 1 | 0 | 6 | 1 | 0 | 0 | 4 |
| Days rain fell | 0 | 3 | 2 | 3 | 2 | 0 | 8 | 3 | 0 | 1 | 10 |
| Solar halos | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 8 |
| Lunar halos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of days temperature above 90° | 30 | 38 | 12 | 16 | 32 | 34 | 21 | 30 | 35 | 31 | 40 |

**Comparative Fall or Autumn Weather in Sacramento, from 1877 to 1888.**—The following comparative weather table shows the average barometer; highest, lowest, and range of barometer; average temperature; highest, lowest, and range of temperature; average relative humidity and dew point; total rainfall; prevailing direction, total and maximum velocity of wind, with the direction at time of maximum velocity; total number of clear, fair, and cloudy days, and number of days rain fell; solar and lunar halos; light and killing frosts; number of days maximum temperature was above 90°; number of days minimum temperature was below 32°:

| Fall of: | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.97 | 29.99 | 30.00 | 30.04 | 30.03 | 30.02 | 30.01 | 30.00 | 29.93 | 30.01 | 29.91 | 29.96 |
| Highest barometer | 30.34 | 30.47 | 30.41 | 30.49 | 30.44 | 30.45 | 30.41 | 30.27 | 30.27 | 30.27 | 30.26 | 30.20 |
| Lowest barometer | 29.70 | 29.68 | 29.38 | 29.73 | 29.61 | 29.77 | 29.62 | 29.62 | 29.46 | 29.58 | 29.60 | 29.58 |
| Range of barometer | 0.64 | 0.79 | 1.03 | 0.76 | 0.83 | 0.68 | 0.79 | 0.65 | 0.81 | 0.79 | 0.66 | 0.62 |
| Average temperature | 63.4 | 62.5 | 60.9 | 59.9 | 58.5 | 58.8 | 60.1 | 60.0 | 62.8 | 58.5 | 63.9 | 63.8 |
| Highest temperature | 88.0 | 92.0 | 96.0 | 92.0 | 96.0 | 99.6 | 101.0 | 93.5 | 98.5 | 96.0 | 100.0 | 106.0 |
| Lowest temperature | 37.0 | 34.0 | 33.0 | 27.0 | 32.0 | 34.0 | 29.0 | 37.7 | 38.5 | 32.2 | 28.0 | 32.2 |
| Range of temperature | 51.0 | 58.0 | 63.0 | 65.0 | 64.0 | 65.6 | 72.0 | 55.8 | 60.0 | 63.8 | 72.0 | 73.8 |
| Average humidity | 54.3 | 54.4 | 65.2 | 54.9 | 58.4 | 69.6 | 68.8 | 69.1 | 66.3 | 64.5 | 54.0 | 63.1 |
| Average dew point | | | | | 42.4 | 47.5 | 48.7 | 49.0 | 49.2 | 45.1 | 44.9 | 48.6 |
| Prevailing wind | S. | N. | S. | N. | N. | N.W. | S. | N.&S.E. | S.E. | N.W. | N.W. | S.E. |
| Total precipitation | 1.80 | 1.35 | 2.93 | 0.05 | 2.73 | 6.42 | 2.48 | 2.61 | 11.44 | 0.89 | 0.47 | 4.83 |
| Total velocity of wind | 10,669 | 11,269 | 10,492 | 11,518 | 12,993 | 12,213 | 10,771 | 10,659 | 14,214 | 10,635 | 11,866 | 12,203 |
| Maximum velocity of wind | 28 | 32 | 36 | 28 | 24 | 32 | 25 | 27 | 36 | 36 | 33 | 36 |
| Direction of maximum velocity | N.W. | N. | N. | N. | N. | N.W. | N.W. | N.W. | S.E. | N.W. | N.W. | N. |
| Clear days | 76 | 71 | 59 | 71 | 73 | 61 | 67 | 75 | 51 | 78 | 74 | 69 |
| Fair days | 6 | 16 | 20 | 14 | 15 | 22 | 18 | 13 | 23 | 12 | 13 | 13 |
| Cloudy days | 9 | 4 | 12 | 6 | 3 | 8 | 6 | 3 | 17 | 1 | 3 | 9 |
| Days rain fell | 13 | 7 | 13 | 2 | 12 | 16 | 14 | 9 | 25 | 7 | 7 | 12 |
| Solar halos | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 1 | 2 | 1 | 2 | 1 |
| Lunar halos | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| Number of light frosts | 3 | 6 | 5 | 4 | 11 | 26 | 19 | 17 | 3 | 20 | 5 | 5 |
| Number of killing frosts | 0 | 3 | 4 | 12 | 3 | 0 | 6 | 0 | 0 | 2 | 3 | 0 |
| Number of days temperature above 90° | 12 | 4 | 10 | 4 | 5 | 8 | 8 | 1 | 15 | 9 | 14 | 18 |
| Number of days temperature below 32° | 0 | 0 | 0 | 9 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |

**Annual Weather Summary in Sacramento, from 1878 to 1888.**—The accompanying table gives the average barometer, the highest, lowest, and range of barometer for each year; average temperature; highest, lowest, and range of temperature; greatest and least monthly range of temperature; average maximum, minimum, and range of temperature; average relative humidity and dew point; yearly precipitation; prevailing direction of wind; maximum velocity of wind, and direction at time of maximum velocity; number of clear, fair, cloudy, and foggy days, and number of days each year that rain fell; number of earthquakes, snow storms, and electric storms; number of solar and lunar halos, light and killing frosts; number of days the maximum temperature was above 90°, and total number of days the minimum temperature was below 32°:

| Annual Weather Review for: | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 29.95 | 30.00 | 30.03 | 30.03 | 30.03 | 30.03 | 29.99 | 29.98 | 29.99 | 29.98 | 29.97 |
| Highest barometer | 30.51 | 30.68 | 30.49 | 30.46 | 30.52 | 30.74 | 30.58 | 30.43 | 30.51 | 30.46 | 30.62 |
| Lowest barometer | 29.46 | 29.38 | 29.48 | 29.61 | 29.71 | 29.62 | 29.42 | 29.46 | 29.32 | 29.45 | 29.49 |
| Range of barometer | 1.05 | 1.30 | 1.01 | 0.85 | 0.81 | 1.12 | 1.16 | 0.97 | 1.19 | 1.01 | 1.13 |
| Average temperature | 61.3 | 60.3 | 57.2 | 59.2 | 58.5 | 58.8 | 58.8 | 61.2 | 58.8 | 59 9 | 60.6 |
| Highest temperature | 100.5 | 103.0 | 98.0 | 98.6 | 99.8 | 103.5 | 100.0 | 105.0 | 105.0 | 100.0 | 107.5 |
| Lowest temperature | 23.5 | 25.0 | 25.0 | 31.9 | 27.0 | 22.0 | 21.0 | 34.2 | 27.5 | 28.0 | 19.0 |
| Range of temperature | 77.0 | 78.0 | 73.0 | 66.7 | 72.8 | 81.5 | 79.0 | 70.8 | 77.5 | 72.0 | 88.5 |
| Greatest range of temperature | 50.0 | 49.0 | 49.0 | 46.7 | 55.2 | 55.8 | 46.0 | 58.0 | 52.8 | 58.7 | 56.5 |
| Least range of temperature | 21.0 | 33.7 | 25.0 | 27.0 | 31.6 | 35.7 | 30.0 | 27.0 | 33.2 | 35.2 | 27.0 |
| Average maximum temperature | 81.5 | 83.7 | 80.0 | 81.6 | 82.0 | 84.3 | 70.0 | 73.2 | 71.5 | 72.9 | 73.3 |
| Average minimum temperature | 41.2 | 41.2 | 39.9 | 42.1 | 40.1 | 39.8 | 49.7 | 51.8 | 49.1 | 47.7 | 49.4 |
| Mean maximum and minimum temperature | 61.4 | 62.4 | 59.9 | 61.8 | 61.0 | 62.0 | 59.8 | 62.5 | 60.3 | 60.3 | 61.4 |
| Average range of temperature | 40.3 | 42.5 | 40.1 | 39.5 | 41.9 | 44.5 | 38.8 | 40.7 | 42.6 | 46.2 | 45.8 |
| Average humidity | 62.2 | 65.7 | 64.6 | 66.7 | 66.0 | 69.0 | 70.7 | 67.8 | 70.1 | 63.7 | 67.1 |
| Average dew point | | | | | 45.7 | 47.3 | 48.5 | 48.8 | 47.8 | 46.0 | 47.6 |
| Prevailing direction of wind | S. | S. | S. | S. | S. | S. | S. | S. | S.E. | N.W. | S.E. |
| Total precipitation | 23.45 | 22.37 | 31.99 | 20.71 | 18.06 | 13.48 | 34.92 | 20.72 | 18.17 | 13.43 | 18.46 |
| Total velocity of wind | 52,830 | 52,214 | 62,497 | 57,846 | 58,874 | 52,637 | 62,611 | 62,405 | 56,036 | 61,322 | 56,964 |
| Maximum velocity of wind | 40 | 39 | 40 | 32 | 35 | 36 | 36 | 36 | 44 | 40 | 48 |
| Direction of maximum velocity | N. | S. | S.E. | S.E. | S.E. | N.W. | N.W. | S.E. | S.E. | S.E. | S.E. |
| Total clear days | 234 | 208 | 237 | 251 | 249 | 263 | 239 | 227 | 262 | 267 | 238 |
| Total fair days | 75 | 99 | 59 | 69 | 76 | 76 | 68 | 88 | 76 | 74 | 75 |
| Total cloudy days | 56 | 58 | 70 | 45 | 40 | 26 | 59 | 50 | 27 | 24 | 52 |
| Total foggy days | 0 | 4 | 5 | 8 | 1 | 11 | 0 | 0 | 4 | 0 | 0 |
| Total days of precipitation | 66 | 79 | 70 | 67 | 70 | 54 | 76 | 62 | 57 | 56 | 63 |
| Number of earthquakes | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 2 |
| Snow storms | 0 | 1 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 3 |
| Electric storms | 4 | 4 | 3 | 4 | 4 | 2 | 2 | 6 | 3 | 2 | 3 |
| Number of solar halos | 1 | 3 | 6 | 2 | 5 | 8 | 9 | 4 | 8 | 8 | 13 |
| Number of lunar halos | 0 | 2 | 4 | 2 | 3 | 0 | 9 | 1 | 2 | 0 | 1 |
| Number of light frosts | 18 | 17 | 14 | 34 | 69 | 33 | 31 | 24 | 30 | 18 | 6 |
| Number of killing frosts | 22 | 27 | 32 | 4 | 12 | 40 | 22 | 0 | 10 | 26 | 14 |
| Number of days temperature was above 90° | 35 | 48 | 16 | 18 | 43 | 45 | 22 | 49 | 45 | 48 | 58 |
| Number of days temperature was below 32° | 15 | 14 | 17 | 1 | 5 | 27 | 13 | 0 | 4 | 9 | 12 |

**Rainfall of Sacramento from September, 1849, to September, 1888.**—The following table of rainfall, from September, 1849, to September 1, 1888, was collected from the records of Dr. T. M. Logan, Dr. F. W. Hatch, and those of the United States Signal Service:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1849 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | .25 | 1.50 | 2.25 | 12.50 | ------ | 1849-50 | 36.00 |
| 1850 | 4.50 | .50 | 10.00 | 4.25 | .25 | none | none | none | none | none | sprin. | sprin. | 19.50 | 1850-51 | 4.71 |
| 1851 | .65 | .35 | 1.88 | 1.14 | .69 | none | none | none | 1.00 | .18 | 2.14 | 7.07 | 15.10 | 1851-52 | 17.98 |
| 1852 | .58 | .12 | 6.40 | .19 | .30 | none | none | none | sprin. | none | 6.00 | 13.40 | 27.00 | 1852-53 | 36.36 |
| 1853 | 3.00 | 2.00 | 7.00 | 3.50 | 1.45 | sprin. | sprin. | none | sprin. | sprin. | 1.50 | 1.54 | 19.99 | 1853-54 | 20.06 |
| 1854 | 3.25 | 8.50 | 3.25 | 1.50 | .21 | .31 | none | sprin. | sprin. | 1.01 | .65 | 1.15 | 19.83 | 1854-55 | 18.62 |
| 1855 | 2.67 | 3.46 | 4.20 | 4.32 | 1.15 | .01 | none | none | sprin. | none | .75 | 2.00 | 18.56 | 1855-56 | 13.76 |
| 1856 | 4.92 | .09 | 1.40 | 2.13 | 1.84 | .03 | none | none | sprin. | .20 | .65 | 2.40 | 14.26 | 1856-57 | 10.46 |
| 1857 | 1.38 | 4.80 | .68 | sprin. | sprin. | .35 | none | sprin. | none | .66 | 2.41 | 2.63 | 12.91 | 1857-58 | 15.00 |
| 1858 | 2.44 | 2.46 | 2.88 | 1.21 | .20 | .10 | .01 | sprin. | sprin. | 3.01 | .15 | 4.34 | 16.80 | 1858-59 | 16.03 |
| 1859 | .96 | 3.91 | 1.64 | .98 | 1.04 | none | none | none | .02 | none | 6.48 | 1.83 | 16.86 | 1859-60 | 22.09 |
| 1860 | 2.31 | .93 | 5.11 | 2.87 | 2.49 | .02 | .63 | none | .06 | .91 | .18 | 4.28 | 19.19 | 1860-61 | 16.10 |
| 1861 | 2.67 | 2.92 | 3.32 | .48 | .59 | .14 | .55 | none | none | sprin. | 2.17 | 8.64 | 21.38 | 1861-62 | 35.56 |
| 1862 | 15.04 | 4 26 | 2.80 | .82 | 1.81 | .01 | none | .01 | none | .36 | sprin. | 2.33 | 27.44 | 1862-63 | 11.58 |
| 1863 | 1.73 | 2.75 | 2.36 | 1.69 | .36 | none | none | none | sprin. | none | 1.49 | 1.82 | 12.20 | 1863-64 | 7.87 |
| 1864 | 1.08 | .19 | 1.30 | 1.08 | .74 | .09 | none | .08 | sprin. | .12 | 6.72 | 7.87 | 19.27 | 1864-65 | 22.51 |
| 1865 | 4.78 | .71 | .48 | 1.37 | .46 | none | sprin. | none | .08 | .48 | 2.43 | .36 | 11.15 | 1865-66 | 17.93 |
| 1866 | 7.70 | 2.01 | 2.02 | .48 | 2.25 | .10 | .02 | none | none | sprin. | 2.43 | 9.51 | 26.52 | 1866-67 | 25.30 |
| 1867 | 3.44 | 7.10 | 1.01 | 1.80 | .01 | none | none | none | .01 | none | 3.81 | 12.85 | 30.03 | 1867-68 | 32.79 |
| 1868 | 6.04 | 3.15 | 4.35 | 2.31 | .27 | sprin. | none | none | none | none | .77 | 2.61 | 19.50 | 1868-69 | 16.64 |
| 1869 | 4.79 | 3.63 | 2.94 | 1.24 | .65 | .01 | none | none | sprin. | 2.12 | .85 | 1.96 | 18.19 | 1869-70 | 13.57 |
| 1870 | 1.37 | 3.24 | 1.64 | 2.12 | .27 | sprin. | sprin. | sprin. | none | .02 | .58 | .97 | 10.21 | 1870-71 | 8.47 |
| 1871 | 2.08 | 1.92 | .69 | 1.45 | .76 | sprin. | none | none | sprin. | .21 | 1.22 | 10.59 | 18.92 | 1871-72 | 23.65 |
| 1872 | 4.04 | 4.74 | 1.94 | .61 | .28 | .02 | none | none | sprin. | .22 | 1.93 | 5.39 | 19.17 | 1872-73 | 14.21 |
| 1873 | 1.23 | 4.36 | .55 | .51 | none | sprin. | .02 | sprin. | none | .31 | 1.21 | 10.01 | 18.20 | 1873-74 | 22.90 |
| 1874 | 5.20 | 1.86 | 3.05 | .89 | .37 | sprin. | sprin. | none | .05 | 2.26 | 3.80 | .44 | 17.92 | 1874-75 | 17.70 |
| 1875 | 8.70 | .55 | .80 | sprin. | sprin. | 1.10 | none | none | none | .44 | 6.20 | 5.52 | 23.31 | 1875-76 | 26.53 |
| 1876 | 4.99 | 3.75 | 4.15 | 1.10 | .15 | none | .21 | .02 | sprin. | 3.45 | .30 | none | 18.12 | 1876-77 | 8.96 |
| 1877 | 2.77 | 1.04 | .56 | .19 | .64 | .01 | sprin. | sprin. | none | .73 | 1.07 | 1.43 | 8.44 | 1877-78 | 24.86 |
| 1878 | 9.26 | 8.04 | 3.09 | 1.07 | .17 | none | none | none | .29 | .55 | .51 | .47 | 23.45 | 1878-79 | 17.85 |
| 1879 | 3.18 | 3.88 | 4.88 | 2.66 | 1.30 | .13 | sprin. | sprin. | none | .88 | 2.05 | 3.41 | 22.37 | 1879-80 | 26.47 |
| 1880 | 1.64 | 1.83 | 1.70 | 14.20 | .76 | none | sprin. | none | none | none | .05 | 11.81 | 31.99 | 1880-81 | 26.57 |
| 1881 | 6.14 | 5.06 | 1.37 | 1.64 | sprin. | .50 | sprin. | none | .30 | .55 | 1.88 | 3.27 | 20.71 | 1881-82 | 16.51 |
| 1882 | 1 89 | 2.40 | 3.78 | 1.99 | .35 | .10 | sprin. | none | .57 | 2.63 | 3.22 | 1.13 | 18.06 | 1882-83 | 18.11 |
| 1883 | 2.23 | 1.11 | 3.70 | .67 | 2.85 | none | none | none | .90 | .96 | .61 | .44 | 13.48 | 1883-84 | 24.78 |
| 1884 | 3.43 | 4.46 | 8.14 | 4.32 | .06 | 1.45 | none | sprin. | .60 | 2.01 | none | 10.45 | 34.92 | 1884-85 | 16.58 |
| 1885 | 2.16 | .49 | .08 | .68 | sprin. | .11 | sprin. | none | .08 | .02 | 11.34 | 5.76 | 20.72 | 1885-86 | 32.27 |
| 1886 | 7.95 | .29 | 2.68 | 4.08 | .07 | none | none | none | none | .68 | .21 | 2.21 | 18.17 | 1886-87 | 13.97 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1887 | 1.12 | 6.28 | .94 | 2.53 | sprin. | none | none | sprin. | .02 | none | .45 | 2.09 | 13.43 | 1887–88 | 11.56 |
| 1888 | 4.81 | .57 | 3.04 | .10 | .40 | .08 | sprin. | sprin. | .55 | none | 4.28 | 4.63 | 18.46 | 1888–89 | *19.65 |
| 1889* | .15 | .33 | 6.25 | .26 | 3.20 | | | | | | | | | | |
| Totals | 148.27 | 110.64 | 118.05 | 74.17 | 26.19 | 4.67 | 1.14 | .11 | 4.78 | 26.48 | 84.74 | 181.12 | 757.13 | | 763.87 |
| Averages | 3.707 | 2.766 | 2.951 | 1.902 | 0.672 | 0.120 | 0.029 | 0.003 | 0.120 | 0.662 | 2.118 | 4.528 | 19.414 | | 19.586 |

* Up to May 7, 1889.

## Heavy Rainfalls at Sacramento.

The following data from the Signal Service records show the greatest precipitation in any consecutive twenty-four hours for each year from 1877 to date:

| Year. | Month and Date. | Total Amount. |
|---|---|---|
| 1877 | November eleventh | 0.81 inches. |
| 1878 | January fifteenth | 1.63 inches. |
| 1879 | March fifth | 1.97 inches. |
| 1880 | April twenty-first | 7.24 inches. |
| 1881 | January twenty-ninth | 2.66 inches. |
| 1882 | October third | 1.82 inches. |
| 1883 | January first | 1.90 inches. |
| 1884 | March eighth and ninth | 2.94 inches. |
| 1885 | November seventeenth and eighteenth | 4.29 inches. |
| 1886 | January twenty-third | 2.50 inches. |
| 1887 | February fourth and fifth | 2.48 inches. |
| 1888 | January second and third | 1.90 inches. |
| 1889 | March twelfth and thirteenth | 2.57 inches. |
| 1889* | May fourth and fifth | 2.42 inches. |

*Up to May 7, 1889.

## Monthly Weather Summary at Sacramento for 1888.

January—The average monthly mean temperature was 42.8°. The normal for thirty-four years is 47°, showing this month to have been 4.8° colder than the average for many years; in fact, a monthly mean temperature of 42.8° for January has never occurred here before; the lowest mean temperature was 43°, in 1854, which was the coldest month of that name, with the exception of this one, ever known since records were kept. The lowest temperature in January, 1854, was 19°, at 8 A. M., by Dr. Logan, although other thermometers indicated 17°. This month the lowest was 19° by the Signal Office records; 18° by Captain Foster, corner Eleventh and F Streets, and 16° by S. H. Gerrish, 1517 G Street. There was snow on the 4th, 5th, and 16th—1½ inches on the 4th, 2½ inches on the 5th, and a trace on the 16th. Mr. Gerrish reports snow fell in previous Januarys as follows: 1862, .75 of an inch; 1868, 1.62 inches; 1880, about one quarter of an inch. Highest and lowest temperature this month, 63° and 19°. Total precipitation, 4.81 inches.

February—Average temperature, 52.6°, being 1.8° warmer than the normal; the highest and lowest was 75° and 54°. Total rainfall, .57 of an inch, being 2.32 inches less than the average for many years. This month was extraordinarily warm and mild. Clear days, 21; fair, 7; cloudy, 1; and days rain fell, 15.

March—Average temperature, 54°, being 1° cooler than the usual March average. Highest and lowest temperature, 76° and 37°. Total precipitation, 3.04 inches, being .23 of an inch in excess of the average. Severe gales of wind during the month, reaching an extreme velocity of sixty miles per hour, and uprooting several trees in Capitol Park. Clear days, 17; fair, 8; cloudy, 9; and days rain fell, 9.

April—The mean temperature for this month was 62°, being 3° warmer than the normal or average temperature as deduced from a record of many years. The highest and lowest temperature was 89° and 43°. The rainfall was .10 of an inch, being 1.85 inches less than the normal or average precipitation. The two driest Aprils on record are those of 1857 and 1875,

when but a sprinkle of a few drops occurred. Clear days, 23; fair, 5; cloudy and days rain fell, 2.

May—Mean temperature, 62°, being 2° warmer than the normal or average temperature. The coldest May was in 1860, 58°, and the warmest was that of 1865, 70°. The highest and lowest temperature this month was 90° and 46°. The rainfall was .40 of inch, being .28 of an inch less than the normal precipitation. The wettest May that of 1883, 2.85 inches. The coolness of this month helped the grain and other crops materially, and the absence of severe north wind was favorable to growing crops. Clear days, 19; fair, 10; cloudy, 2; and 4 upon which rain fell.

June—Mean temperature, 68°, being 2° cooler than the normal or average of many years. The highest and lowest temperature was 96° and 48°. The rainfall was .08 of an inch, being .04 of an inch less than the average precipitation. Clear days, 17; fair, 9; cloudy, 4; and 7 upon which rain was precipitated. This month was unusually cool, there being but two days on which a temperature above 90° was recorded, while the average is five. There were more solar halos, parhelia, and other atmospheric phenomena than were ever before recorded in ten years past, and less dry days than were ever recorded in the same number of years. Days of maximum temperature above 90°, 2.

July—Mean temperature, 72°, being 1° cooler than the average for many years. The highest and lowest temperature was 104° and 51°. Rainfall, a sprinkle, being .03 of an inch less than the normal precipitation. Clear days, 29; fair, 2; cloudy, none; and days that rain fell, 2; days highest temperature above 90°, 15.

August—Mean temperature, 75°, being 3° warmer than the average or normal, as deduced from a record of many years. Highest and lowest temperature, 108° and 51°. Rainfall, inappreciable in amount, being about the same as is usually precipitated during this month. Clear days, 30; fair, 1; cloudy, none; and days that rain fell, 1. Number of days temperature above 90°, 23, being the greatest number of clear days ever recorded in 11 years past. The greatest before this was 18, in 1885, and the least, 5, in 1887.

September—The hottest September ever recorded in 11 years past. Mean temperature, 74°, being 5° warmer than the average of 35 years. The highest, 106°, and lowest, 50°. Rainfall, .55 of an inch, being .44 of an inch more than the average or normal precipitation, as deduced from a record of many years. Clear days, 24; fair, 3; cloudy, 3; and 2 upon which rain was precipitated. Number of days with a temperature above 90°, 17; eight of these reaching 100° and over. There were four separate and distinct thunder storms in a little over one day, something unknown to the oldest inhabitant.

October—Mean temperature, 64°, being 2° warmer than the average for many years. Highest and lowest temperature, 92° and 40°. There was no rainfall this month, while the average precipitation of 35 years' observations is .69 of an inch. Clear days, 28; fair, 3; days temperature above 90°, 1.

November—Mean temperature, 54°, being 1° warmer than the average. Highest and lowest temperature, 75° and 32°. Rainfall, 4.28 inches, being 2.22 inches above the average precipitation. Clear days, 17; fair, 7; cloudy, 6; and days rain fell, 9.

December—Mean temperature, 48°, being 1° warmer than the average of many years. Rainfall, 4.63 inches, being .11 of an inch above the average or normal precipitation, as deduced from a record of 35 years. Clear days,

5; fair, 8; cloudy, 18; and days that rain fell, 14. Highest and lowest temperature, 63° and 36°.

The mean temperature for the year 1888 is 60.6°, or about 0.4° higher than the average of many years. The above data show that the mean monthly temperature was below the average for January, March, June, July, and above the average in February, April, May, August, September, October, November, and December. Highest and lowest temperature during the year was 108° and 19°.

### Summary for January, February, and March, 1889.

January—Mean temperature, 45°, being 2° cooler than the average of many years. Highest and lowest temperature, 62° and 44°. Rainfall, .15 of an inch, being 3.56 inches less than the average of 40 years. In fact, it was the driest January ever known in that length of time. Clear days, 18; fair, 9; and cloudy, 4.

February—Mean temperature, 50.3°, being one half (0.5) of a degree cooler than the average of many years. The highest and lowest temperature was 76° and 31°. Rainfall, .33 of an inch, being 2.44 inches behind the average of 40 years. Clear days, 13; fair, 12; and cloudy, 3.

March—Mean temperature, 57°, being 2° warmer than the average of 35 years past. The highest and lowest temperature was 76° and 41°. Rainfall, 6.25 inches, being 3.30 inches in excess of the average of 40 years. There were two thunder and lightning storms, one quite severe, giving twelve bright flashes of forked lightning, and peals of thunder. One light frost, on the 19th. There were 6 clear days, 12 fair, and 13 cloudy ones.

**Average Monthly Temperature from 1854 to 1889, for Sacramento.**—From the records of Dr. Logan, S. H. Gerrish, and the U. S. Signal Office:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | Sept. | October. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1854 | 43.0 | 51.0 | 53.0 | 60.0 | 62.0 | 67.0 | 80.6 | 69.5 | 65.0 | 60.0 | 55.0 | 47.9 |
| 1855 | 43.7 | 52.5 | 54.8 | 58.1 | 60.2 | 71.1 | 72.5 | 73.0 | 68.0 | 63.0 | 50.6 | 46.0 |
| 1856 | 48.0 | 52.6 | 57.0 | 58.8 | 63.9 | 71.1 | 75.1 | 69.6 | 70.9 | 58.0 | 52.2 | 43.9 |
| 1857 | 48.5 | 50.2 | 56.4 | 63.3 | 65.5 | 71.9 | 71.4 | 71.3 | 67.9 | 61.5 | 53.2 | 47.4 |
| 1858 | 45.0 | 52.2 | 53.7 | 59.8 | 65.2 | 69.4 | 70.8 | 70.6 | 68.9 | 59.5 | 54.2 | 44.5 |
| 1859 | 44.9 | 50.5 | 51.5 | 57.1 | 63.0 | 74.8 | 69.1 | 67.2 | 65.9 | 63.3 | 54.0 | 43.5 |
| 1860 | 46.2 | 49.8 | 53.3 | 57.8 | 58.5 | 65.6 | 73.2 | 73.5 | 67.6 | 59.8 | 53.5 | 49.3 |
| 1861 | 47.1 | 52.2 | 55.0 | 60.6 | 63.7 | 66.2 | 73.6 | 69.7 | 67.8 | 59.9 | 53.6 | 50.9 |
| 1862 | 46.4 | 47.5 | 53.6 | 58.0 | 61.2 | 69.3 | 73.2 | 75.0 | 70.4 | 67.6 | 53.1 | 46.4 |
| 1863 | 46.9 | 48.0 | 57.6 | 59.5 | 67.1 | 69.1 | 75.6 | 70.7 | 69.0 | 62.8 | 52.7 | 46.5 |
| 1864 | 49.2 | 53.6 | 56.1 | 62.1 | 68.5 | 71.1 | 74.8 | 74.7 | 69.8 | 64.5 | 53.5 | 50.2 |
| 1865 | 47.4 | 49.0 | 53.6 | 59.3 | 70.2 | 73.5 | 74.0 | 71.7 | 68.8 | 63.1 | 56.9 | 44.1 |
| 1866 | 46.5 | 63.5 | 54.2 | 61.9 | 63.1 | 72.2 | 76.2 | 76.0 | 72.2 | 65.2 | 53.8 | 50.2 |
| 1867 | 48.2 | 47.8 | 50.7 | 59.7 | 64.4 | 70.3 | 73.7 | 71.7 | 68.8 | 62.7 | 54.8 | 46.8 |
| 1868 | 47.0 | 50.5 | 55.0 | 60.1 | 64.2 | 69.5 | 73.8 | 71.2 | 68.3 | 62.0 | 53.9 | 47.0 |
| 1869 | 47.6 | 49.9 | 53.6 | 59.0 | 64.2 | 70.8 | 74.3 | 71.3 | 69.9 | 63.1 | 54.0 | 46.5 |
| 1870 | 48.6 | 51.1 | 53.0 | 57.0 | 61.0 | 69.3 | 71.8 | 72.6 | 68.0 | 63.6 | 53.4 | 45.5 |
| 1871 | 48.3 | 47.4 | 56.0 | 59.2 | 61.5 | 70.1 | 70.2 | 72.0 | 67.4 | 62.2 | 50.2 | 48.7 |
| 1872 | 48.5 | 53.3 | 56.8 | 57.6 | 67.0 | 69.2 | 71.4 | 73.1 | 68.8 | 58.9 | 51.2 | 49.0 |
| 1873 | 52.7 | 48.2 | 56.8 | 60.0 | 67.9 | 71.7 | 73.2 | 66.3 | 69.9 | 61.4 | 57.5 | 47.7 |
| 1874 | 45.7 | 49.3 | 52.9 | 59.5 | 64.7 | 70.2 | 72.8 | 70.9 | 70.7 | 61.7 | 53.9 | 45.0 |
| 1875 | 46.9 | 52.7 | 58.7 | 63.0 | 68.1 | 70.6 | 73.3 | 72.5 | 65.7 | 69.9 | 56.7 | 48.0 |
| 1876 | 48.8 | 50.2 | 54.6 | 59.5 | 65.7 | 76.9 | 74.0 | 72.8 | 70.1 | 63.5 | 53.3 | 45.5 |
| 1877 | 49.1 | 55.0 | 59.0 | 60.2 | 64.5 | 72.5 | 75.0 | 72.9 | 72.8 | 62.9 | 54.7 | 48.6 |
| 1878 | 49.7 | 51.3 | 56.7 | 59.4 | 65.5 | 71.8 | 73.4 | 73.4 | 69.0 | 62.9 | 55.5 | 47.2 |
| 1879 | 45.5 | 55.0 | 57.4 | 60.3 | 60.2 | 72.1 | 71.8 | 74.7 | 70.5 | 61.5 | 50.9 | 44.0 |
| 1880 | 43.5 | 46.0 | 48.8 | 54.6 | 61.6 | 66.6 | 70.9 | 69.7 | 68.0 | 62.1 | 49.7 | 50.3 |
| 1881 | 49.2 | 53.5 | 55.5 | 60.9 | 64.8 | 66.2 | 71.1 | 68.2 | 67.8 | 56.8 | 50.8 | 46.2 |
| 1882 | 45.1 | 46.3 | 53.0 | 55.8 | 64.0 | 68.1 | 73.4 | 71.9 | 68.4 | 58.4 | 49.5 | 48.2 |
| 1883 | 41.9 | 46.0 | 56.9 | 56.0 | 62.6 | 72.6 | 73.1 | 71.4 | 71.6 | 58.2 | 50.5 | 44.2 |
| 1884 | 46.6 | 46.9 | 52.9 | 56.7 | 64.0 | 65.8 | 71.2 | 72.5 | 64.8 | 59.9 | 55.3 | 48.8 |
| 1885 | 47.1 | 54.0 | 59.1 | 60.6 | 65.7 | 66.2 | 71.0 | 73.0 | 69.8 | 64.3 | 54.4 | 49.1 |
| 1886 | 45.7 | 53.3 | 52.1 | 55.5 | 62.0 | 69.0 | 72.0 | 71.6 | 67.9 | 57.1 | 50.4 | 49.2 |
| 1887 | 48.5 | 44.7 | 57.8 | 58.3 | 62.9 | 69.1 | 70.2 | 69.1 | 70.4 | 66.5 | 54.7 | 46.9 |
| 1888 | 42.8 | 52.6 | 53.6 | 62.3 | 61.8 | 67.7 | 71.6 | 75.4 | 73.7 | 64.2 | 53.6 | 48.4 |
| 1889 | 44.6 | 50.3 | 57.0 | 60.4 | | | | | | | | |
| Totals | 1684.4 | 1829.9 | 1977.7 | 2131.9 | 2240.4 | 2448.6 | 2553.3 | 2510.7 | 2414.5 | 2172.0 | 1865.2 | 1651.6 |
| Average for 35 years | *46.8 | *50.8 | *54.9 | *59.2 | 64.0 | 70.0 | 72.0 | 71.7 | 69.0 | 62.1 | 53.3 | 47.2 |

* Average for 36 years.

## Average Annual and Seasonal Temperature in Sacramento.

The statement below shows the average temperature, for each year, for thirty-six years; also the spring, summer, autumn, and winter temperature for the same time. The coldest year, inferring from the average temperature, was that of 1880, 57.2°; the warmest was 1864, 62.8°; the mean average for the past thirty-six years, 60.2°, showing the coldest to have been 3° below the mean average, while the warmest year was that of 1864, when it was 2.6° above the mean average of thirty-six years. By careful study of the table, there will be noticed but a slight difference between the coldest and the warmest year, as compared with an average of thirty-six years; generally not more than 3°. Therefore, we might safely say that the average temperature of any year is not likely to vary more than 3° from 60° either way, between the hottest and coldest year, as compared with the mean average temperature of many years:

| Year. | Mean Annual Temperature. | Mean Spring Temperature. | Mean Summer Temperature. | Mean Autumn Temperature. | Mean Winter Temperature. | |
|---|---|---|---|---|---|---|
| 1853 | 62.6 | 62.9 | 74.3 | 69.0 | 1853–54 | 43.7 |
| 1854 | 59.5 | 58.3 | 72.4 | 60.0 | 1854–55 | 48.0 |
| 1855 | 59.5 | 57.7 | 72.2 | 60.5 | 1855–56 | 48.9 |
| 1856 | 60.1 | 59.9 | 71.9 | 60.4 | 1856–57 | 47.5 |
| 1857 | 60.7 | 61.7 | 71.5 | 60.9 | 1857–58 | 48.2 |
| 1858 | 59.5 | 59.6 | 70.3 | 60.9 | 1858–59 | 46.6 |
| 1859 | 58.7 | 57.2 | 70.4 | 61.1 | 1859–60 | 46.5 |
| 1860 | 59.0 | 56.5 | 70.8 | 60.3 | 1860–61 | 49.5 |
| 1861 | 60.1 | 59.8 | 69.8 | 60.4 | 1861–62 | 48.3 |
| 1862 | 62.2 | 57.6 | 72.5 | 63.7 | 1862–63 | 47.1 |
| 1863 | 60.3 | 61.4 | 71.8 | 61.5 | 1863–64 | 49.8 |
| 1864 | 62.8 | 62.2 | 73.5 | 62.6 | 1864–65 | 48.9 |
| 1865 | 61.0 | 61.0 | 73.1 | 62.9 | 1865–66 | 51.4 |
| 1866 | 62.1 | 59.7 | 74.8 | 63.7 | 1866–67 | 48.7 |
| 1867 | 59.9 | 58.3 | 71.9 | 62.1 | 1867–68 | 48.1 |
| 1868 | 60.1 | 59.8 | 71.5 | 61.4 | 1868–69 | 48.2 |
| 1869 | 60.4 | 58.9 | 72.1 | 62.3 | 1869–70 | 48.7 |
| 1870 | 59.6 | 57.0 | 71.2 | 61.7 | 1870–71 | 47.7 |
| 1871 | 59.6 | 58.9 | 70.8 | 59.9 | 1871–72 | 50.2 |
| 1872 | 60.4 | 60.5 | 71.6 | 59.6 | 1872–73 | 50.0 |
| 1873 | 60.7 | 61.6 | 70.4 | 62.9 | 1873–74 | 47.6 |
| 1874 | 59.8 | 59.0 | 71.3 | 62.1 | 1874–75 | 48.2 |
| 1875 | 62.5 | 63.3 | 72.1 | 64.1 | 1875–76 | 49.0 |
| 1876 | 61.7 | 59.9 | 74.6 | 62.3 | 1876–77 | 49.9 |
| 1877 | 61.2 | 61.2 | 73.5 | 63.4 | 1877–78 | 49.9 |
| 1878 | 61.3 | 60.5 | 72.9 | 62.5 | 1878–79 | 49.2 |
| 1879 | 60.3 | 59.3 | 72.9 | 60.9 | 1879–80 | 44.5 |
| 1880 | 57.2 | 55.0 | 69.1 | 59.9 | 1880–81 | 51.0 |
| 1881 | 59.2 | 60.4 | 68.5 | 58.5 | 1881–82 | 45.9 |
| 1882 | 58.5 | 57.6 | 71.1 | 58.8 | 1882–83 | 45.4 |
| 1883 | 58.8 | 58.5 | 72.4 | 60.1 | 1883–84 | 45.9 |
| 1884 | 58.8 | 57.9 | 69.8 | 60.0 | 1884–85 | 50.0 |
| 1885 | 61.2 | 61.8 | 70.1 | 62.8 | 1885–86 | 49.4 |
| 1886 | 58.8 | 56.5 | 70.9 | 58.5 | 1886–87 | 47.5 |
| 1887 | 59.9 | 59.7 | 69.5 | 63.9 | 1887–88 | 47.4 |
| 1888 | 60.6 | 59.2 | 71.6 | 63.8 | 1888–89 | 47.8 |
| Totals | 2166.6 | 2140.3 | 2578.6 | 2219.6 | | 1738.2 |
| Averages for 36 years | 60.2 | 59.5 | 71.6 | 61.6 | | 48.3 |

## Rainfall for Spring, Summer, Autumn, Winter, and Total for Each Year, at Sacramento.

The following table gives the rainfall for each season of spring, summer, autumn, and winter; also the total rainfall for each year and for each season. The table shows the annual rainfall for each year, beginning with the year 1850, and the total for each season, beginning with that of 1849–50. The rainfall for the winter seasons begins with the winter of 1849–50, and ends with the winter of 1888–89, making a total of forty winters:

| Year. | Rainfall for Spring. | Rainfall for Summer. | Rainfall for Autumn. | Rainfall for Winter. | Annual Rainfall. | Season of. | Inches. |
|---|---|---|---|---|---|---|---|
| 1849 | ..... | ..... | 4.00 | ..... | *16.50 | 1849–50 | 36.00 |
| 1850 | 14.50 | none | sprin. | 17.80 | 19.50 | 1850–51 | 4.71 |
| 1851 | 3.71 | none | 3.32 | 1.00 | 15.10 | 1851–52 | 17.98 |
| 1852 | 6.89 | none | 6.00 | 7.77 | 27.00 | 1852–53 | 36.36 |
| 1853 | 11.95 | sprin. | 1.50 | 18.41 | 19.99 | 1853–54 | 20.06 |
| 1854 | 4.96 | .31 | 1.66 | 13.29 | 19.83 | 1854–55 | 18.62 |
| 1855 | 9.67 | .01 | .75 | 7.28 | 18.56 | 1855–56 | 13.76 |
| 1856 | 5.37 | .03 | .85 | 7.61 | 14.26 | 1856–57 | 10.46 |
| 1857 | .68 | .35 | 3.06 | 8.58 | 12.91 | 1857–58 | 15.00 |
| 1858 | 4.29 | .11 | 3.16 | 7.53 | 16.80 | 1858–59 | 16.03 |
| 1859 | 3.66 | none | 6.50 | 9.21 | 16.86 | 1859–60 | 22.09 |
| 1860 | 10.47 | .05 | 1.15 | 5.07 | 19.19 | 1860–61 | 16.10 |
| 1861 | 4.39 | .69 | 2.17 | 9.87 | 21.38 | 1861–62 | 35.56 |
| 1862 | 5.43 | .02 | .36 | 27.94 | 27.44 | 1862–63 | 11.58 |
| 1863 | 4.41 | none | 1.49 | 6.81 | 12.20 | 1863–64 | 7.87 |
| 1864 | 3.12 | .17 | 6.84 | 3.09 | 19.27 | 1864–65 | 22.51 |
| 1865 | 2.31 | sprin. | 2.99 | 13.36 | 11.15 | 1865–66 | 17.93 |
| 1866 | 4.75 | .12 | 2.43 | 10.07 | 26.52 | 1866–67 | 25.30 |
| 1867 | 2.82 | none | 3.82 | 20.05 | 30.03 | 1867–68 | 32.79 |
| 1868 | 6.93 | sprin. | .77 | 22.04 | 19.50 | 1868–69 | 16.64 |
| 1869 | 4.83 | .01 | 2.97 | 11.03 | 18.19 | 1869–70 | 13.57 |
| 1870 | 4.03 | sprin. | .60 | 6.57 | 10.21 | 1870–71 | 8.47 |
| 1871 | 2.90 | sprin. | 1.43 | 4.97 | 19.32 | 1871–72 | 23.65 |
| 1872 | 2.83 | .02 | 2.15 | 19.47 | 19.17 | 1872–73 | 14.21 |
| 1873 | 1.06 | .02 | 1.52 | 11.08 | 18.20 | 1873–74 | 22.90 |
| 1874 | 4.31 | sprin. | 6.11 | 17.07 | 17.92 | 1874–75 | 17.70 |
| 1875 | .80 | 1.10 | 6.64 | 9.69 | 23.31 | 1875–76 | 26.53 |
| 1876 | 5.40 | .23 | 3.75 | 14.26 | 18.12 | 1876–77 | 8.96 |
| 1877 | 1.39 | .01 | 1.80 | 3.81 | 8.44 | 1877–78 | 24.86 |
| 1878 | 4.33 | none | 1.35 | 18.73 | 23.45 | 1878–79 | 17.85 |
| 1879 | 8.84 | .13 | 2.93 | 7.53 | 22.37 | 1879–80 | 26.47 |
| 1880 | 16.66 | sprin. | .05 | 6.88 | 31.99 | 1880–81 | 26.57 |
| 1881 | 3.01 | .50 | 2.73 | 23.01 | 20.71 | 1881–82 | 16.51 |
| 1882 | 6.12 | .10 | 6.42 | 7.56 | 18.06 | 1882–83 | 18.11 |
| 1883 | 7.22 | none | 2.48 | 4.47 | 13.48 | 1883–84 | 24.78 |
| 1884 | 12.52 | 1.45 | 2.61 | 8.33 | 34.92 | 1884–85 | 16.58 |
| 1885 | .76 | .11 | 11.44 | 13.10 | 20.72 | 1885–86 | 32.27 |
| 1886 | 6.83 | none | .89 | 14.00 | 18.17 | 1886–87 | 13.97 |
| 1887 | 3.52 | sprin. | .47 | 9.61 | 13.43 | 1887–88 | 11.56 |
| 1888 | 3.54 | .08 | 4.83 | 7.47 | 18.46 | 1888–89 | †19.65 |
| 1889 | ..... | ..... | ..... | 5.11 | ..... | ..... | ..... |
| Totals | 211.21 | 5.62 | 115.99 | 440.23 | 757.13 | ..... | 763.87 |
| Average | 5.414 | .144 | 2.900 | 11.006 | 19.414 | ..... | 19.587 |

*Rainfall for September, October, November, and December, 1849. †Up to May 7, 1889.

## Highest, Lowest, and Average Temperature, with Prevailing Wind, at Sacramento.

The following table shows the highest, lowest, and average yearly temperature, along with the prevailing direction of wind, for each year. This data is from the records of Dr. Thomas M. Logan, the Railroad Company, Mr. Samuel H. Gerrish, and the records of the United States Signal Office. The records cover a period of thirty-six years. It shows that a very low temperature is never recorded at this point. Often several years will intervene without the temperature falling to the freezing point. The lowest recorded temperature is 19°, in January, 1854, and January, 1888; the highest, 108°, in August, 1888. The prevailing direction of wind for the year is usually from the south:

| Year. | Highest Temperature. | Lowest Temperature. | Average Annual Temperature. | Prevailing Direction of Wind for Each Year. |
|---|---|---|---|---|
| 1853 | 97 | 32 | 62.6 | N.W. |
| 1854 | 102 | 19 | 59.5 | N.W. |
| 1855 | 100 | 25 | 59.5 | N.W. |
| 1856 | 100 | 32 | 60.1 | S.E. |
| 1857 | 98 | 31 | 60.7 | S.E. |
| 1858 | 97 | 29 | 59.5 | S. |
| 1859 | 96 | 34 | 58.7 | S. |
| 1860 | 90 | 37 | 59.0 | S. |
| 1861 | 87 | 36 | 60.1 | S. |
| 1862 | 94 | 32 | 62.2 | N.W. |
| 1863 | 95 | 34 | 60.3 | N.W. |
| 1864 | 96 | 34 | 62.8 | S.E. |
| 1865 | 94 | 31 | 61.0 | S.E. |
| 1866 | 98 | 33 | 62.1 | S.E. |
| 1867 | 99 | 28 | 59.9 | S. |
| 1868 | 100 | 30 | 60.1 | S. |
| 1869 | 102 | 31 | 60.4 | S. |
| 1870 | 106 | 21 | 59.6 | S. |
| 1871 | 102 | 30 | 59.6 | S. |
| 1872 | 100 | 26 | 60.4 | N. |
| 1873 | 105 | 31 | 60.7 | S. |
| 1874 | 96 | 33 | 59.8 | S. |
| 1875 | 100 | 33 | 62.5 | S. |
| 1876 | 98 | 30 | 61.7 | S. |
| 1877 | 103 | 31 | 61.2 | S. |
| 1878 | 101 | 24 | 61.3 | S. |
| 1879 | 103 | 25 | 60.3 | S. |
| 1880 | 98 | 25 | 57.2 | S. |
| 1881 | 99 | 32 | 59.2 | S. |
| 1882 | 100 | 27 | 58.5 | S. |
| 1883 | 104 | 22 | 58.8 | S. |
| 1884 | 100 | 21 | 58.8 | S. |
| 1885 | 105 | 34 | 61.2 | S. |
| 1886 | 105 | 28 | 58.8 | S.E. |
| 1887 | 100 | 28 | 59.9 | N.W. |
| 1888 | 108 | 19 | 60.6 | S.E. |

Highest temperature in 36 years, 108°, in August, 1888.
Lowest temperature in 36 years, 19° in January, 1854, and 19° in January, 1888.
Average annual temperature for 36 years, 60.2°.
General prevailing direction of wind, from the south.

## Sacramento "River Record," at Sacramento.

The following table shows the highest and lowest water in the river for each season from 1849 to 1861–2, and 1873–4 to April 1, 1888–9. From 1862–3 to 1872–3, both seasons inclusive, the figures are missing. The zero of the gauge was put down in September, 1849, to the lowest water at the lowest point of ebb tide, and from that the high and low water records commence. This zero point of the gauge is 5 feet above the sea level, and 29 feet below the Central Pacific Railroad track, according to a circular issued March 15, 1875, by the Chief Signal Officer at Washington, D. C. This circular says when the river shows 25 feet on the gauge it is then near the danger line, and at that height it is dangerous to levees within 20 miles of Sacramento. The same circular gives the beginning of the danger line for Oroville as 10 feet; at that point it threatens danger to Marysville and all country below Oroville. The danger line at Marysville begins at about 15 feet, and is then dangerous to levees. At Red Bluff 20 feet is the danger line and 22 feet floods the bottoms. The danger line begins at Folsom City at 30 feet:

*Highest, Lowest, and Range of Water in the Sacramento River for each Season, from 1849–50 to 1861–2, and from 1873–4 to date.*

| | Highest Water—feet and tenths. | Lowest Water—feet and tenths. | Range of Water—feet and tenths. |
|---|---|---|---|
| 1849–50 | 20.3 | zero of gauge | 20.8 |
| 1850–51 | 9.7 | zero of gauge | 9.7 |
| 1851–52 | 20.0 | zero of gauge | 20.0 |
| 1852–53 | 21.7 | 2.2 | 19.5 |
| 1853–54 | 20.3 | 0.3 | 20.0 |
| 1854–55 | 20.3 | 3.0 | 17.3 |
| 1855–56 | 12.3 | 3.3 | 9.0 |
| 1856–57 | 18.3 | zero of gauge | 18.3 |
| 1857–58 | 18.7 | 1.4 | 17.3 |
| 1858–59 | 19.0 | 1.3 | 17.7 |
| 1859–60 | 15.3 | 1.3 | 14.0 |
| 1860–61 | 21.7 | 3.0 | 18.7 |
| 1861–62 | 24.0 | 2.4 | 21.6 |
| 1873–74 | 22.5 | 4.6 | 17.9 |
| 1874–75 | 22.2 | 4.3 | 17.9 |
| 1875–76 | 24.6 | 7.1 | 17.5 |
| 1876–77 | 18.2 | 5.2 | 13.0 |
| 1877–78 | 26.0 | 5.3 | 20.7 |
| 1878–79 | 23.3 | 5.5 | 17.8 |
| 1879–80 | 24.4 | 5.8 | 18.7 |
| 1880–81 | 26.6 | 7.4 | 19.2 |
| 1881–82 | 21.3 | 6.4 | 14.9 |
| 1882–83 | 20.7 | 6.5 | 14.2 |
| 1883–84 | 23.5 | 6.5 | 17.0 |
| 1884–85 | 24.6 | 7.5 | 17.1 |
| 1885–86 | 25.6 | 7.3 | 18.3 |
| 1886–87 | 20.5 | 7.5 | 13.0 |
| 1887–88 | 20.0 | 7.2 | 12.8 |
| 1888–89 | *25.6 | 7.0 | 18.6 |

*Up to May 1, 1889.

Note.—The record from 1849–50 was taken from Dr. Thomas M. Logan's report. The gauge was put down in September, 1849, at the lowest stage of water. At that time there was from 23 to 24 feet of water in the channel, the water was clear, and the rise and fall of the tide amounted to several feet. The lowest water since 1874 shows 4.3 feet above the lowest water of 1849, the zero point of the gauge. If the river had not been filled with slickens, that would indicate over 20 feet of water in the channel; the real fact shows scarcely five feet, with bars too numerous to mention. The river bed has therefore been raised upwards of 20 feet or more by debris.

## Daily Normal Temperature at Sacramento.

The following table of normal temperatures for each day of each month, at Sacramento, California, as deduced from three daily observations for nine years, from July, 1877, to December, 1885, inclusive, were prepared at the Chief Signal Office, Washington, D. C., by authority of the Chief Signal Officer:

| Date. | *Jan. | *Feb. | *Mar. | *April. | *May. | *June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44.2 | 49.4 | 55.8 | 57.7 | 61.6 | 69.2 | 72.3 | 73.1 | 73.0 | 62.3 | 57.2 | 50.6 |
| 2 | 45.6 | 49.5 | 55.5 | 58.0 | 61.7 | 69.2 | 71.4 | 74.0 | 72.4 | 62.7 | 55.6 | 50.6 |
| 3 | 45.3 | 49.0 | 54.0 | 56.5 | 62.6 | 68.8 | 70.8 | 73.2 | 72.5 | 63.6 | *56.5 | 49.6 |
| 4 | 45.5 | 49.7 | 53.4 | †57.7 | 61.2 | 68.5 | 71.2 | 71.9 | 73.4 | 64.0 | 55.5 | 50.2 |
| 5 | 47.2 | 48.0 | 54.8 | 58.0 | 61.5 | 69.4 | 71.4 | 72.8 | 71.8 | 63.7 | 56.2 | 50.6 |
| 6 | 45.9 | 47.6 | 54.4 | 58.3 | 61.6 | 68.2 | 71.5 | 73.7 | 69.9 | 62.7 | 56.6 | 49.4 |
| 7 | 46.7 | 46.0 | 53.9 | 58.4 | 61.4 | 67.9 | 70.7 | 73.9 | 70.3 | 62.9 | 56.9 | 47.7 |
| 8 | 47.6 | 47.1 | 53.7 | 60.1 | 62.5 | 67.2 | 70.5 | 74.8 | 71.5 | *62.5 | 56.2 | 45.9 |
| 9 | 45.8 | 47.1 | 53.7 | 58.8 | 61.4 | 67.5 | 71.0 | 75.4 | 70.8 | 63.0 | 55.0 | 46.1 |
| 10 | 45.9 | †48.4 | 53.0 | 57.6 | 62.0 | 66.1 | 72.8 | 74.8 | 70.9 | 61.8 | 53.3 | 46.1 |
| 11 | 43.9 | 46.8 | 53.3 | 57.3 | 61.4 | †65.7 | 74.4 | 74.3 | 69.9 | 61.1 | 52.1 | 46.4 |
| 12 | 42.7 | 46.2 | 53.4 | 56.6 | 59.4 | 68.2 | 75.4 | 72.5 | 70.4 | 58.7 | 51.7 | 45.3 |
| 13 | 43.6 | 48.1 | 53.2 | 56.2 | 59.9 | 68.5 | 74.0 | 72.0 | 70.8 | 57.0 | 52.0 | 44.7 |
| 14 | 45.7 | 47.9 | 54.1 | 56.8 | 59.2 | 68.3 | 74.1 | 72.8 | 70.4 | 56.6 | 53.0 | 45.7 |
| 15 | 44.6 | 47.3 | 54.0 | 46.5 | 60.4 | 67.8 | 71.5 | 73.3 | 70.3 | 58.6 | 52.3 | 47.8 |
| 16 | 45.9 | 48.8 | 54.8 | 55.4 | 60.4 | 68.4 | 73.0 | *72.1 | 68.3 | 58.9 | 52.5 | 47.3 |
| 17 | 46.0 | 48.9 | 53.5 | 54.7 | 61.5 | 69.3 | 72.5 | 71.5 | 68.0 | 60.9 | 50.5 | 47.3 |
| 18 | †45.5 | 49.7 | 53.4 | 56.4 | 64.0 | 69.2 | 70.6 | 72.9 | 67.6 | 61.4 | 50.1 | 49.2 |
| 19 | 45.4 | 50.1 | 54.0 | 54.4 | 65.8 | 68.6 | 71.0 | 71.7 | 67.5 | 62.2 | 50.2 | 48.6 |
| 20 | 45.7 | 50.3 | 55.5 | 55.4 | 64.7 | 68.8 | 72.5 | 69.5 | 68.3 | 61.3 | 50.5 | 47.2 |
| 21 | 45.8 | 51.2 | 56.2 | 57.5 | 64.0 | 68.4 | 73.2 | 69.2 | 69.6 | 61.4 | 51.0 | 48.7 |
| 22 | †47.4 | 51.9 | 57.0 | 58.2 | 63.8 | 67.2 | 73.6 | 69.5 | 69.5 | 60.9 | 50.7 | 48.7 |
| 23 | 47.4 | 53.1 | 56.5 | 58.3 | 64.8 | 69.2 | 74.5 | 69.4 | 67.3 | 60.5 | 50.9 | 48.0 |
| 24 | 48.0 | 53.4 | 56.4 | 60.1 | 66.3 | 68.8 | 73.3 | 69.3 | 66.4 | 61.0 | 50.4 | 49.3 |
| 25 | 47.4 | 54.9 | 57.0 | 58.5 | 66.9 | 70.5 | 71.8 | 69.7 | 66.4 | 61.3 | 48.5 | 48.2 |
| 26 | 45.8 | 54.8 | 56.4 | 58.1 | 67.0 | 71.5 | 71.3 | 69.6 | 66.7 | 59.7 | 48.3 | 47.2 |
| 27 | 46.3 | 55.0 | †58.4 | 61.0 | 67.8 | 70.5 | 72.7 | 69.9 | 67.1 | 60.0 | 48.7 | 46.7 |
| 28 | 47.1 | 54.7 | 56.5 | 62.7 | 68.5 | 68.8 | 72.3 | 69.5 | 66.3 | 59.7 | 48.9 | 46.1 |
| 29 | 48.0 | ------ | 57.6 | 62.7 | 69.0 | 69.6 | 71.7 | 70.1 | 65.1 | 59.6 | 50.1 | 44.1 |
| 30 | 48.2 | ------ | 57.2 | 52.6 | 68.9 | 71.5 | 72.5 | 71.7 | 63.1 | 58.1 | 50.4 | 43.5 |
| 31 | 49.4 | ------ | 57.1 | ------ | 69.0 | ------ | 72.4 | 72.7 | ------ | 55.9 | ------ | 42.6 |
| Monthly | 46.1 | 49.9 | 55.1 | 58.0 | 63.6 | 68.7 | 72.3 | 72.0 | 69.2 | 60.8 | 52.4 | 47.4 |

* Means for eight years.
† Means for seven years.

## Daily Normal Precipitation at Sacramento.

The following table gives the normal precipitation for each day of each month, at Sacramento, as deduced from thirty-eight years' observations:

| Date. | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .12 | .10 | .09 | .06 | .02 | .01 | .01 | T. | T. | .02 | .07 | .14 |
| 2 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 3 | .12 | .11 | .09 | .06 | .02 | .01 | T. | T. | .01 | .02 | .07 | .14 |
| 4 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 5 | .13 | .10 | .09 | .06 | .03 | .01 | T. | T. | T. | .02 | .07 | .14 |
| 6 | .12 | .11 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 7 | .12 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .03 | .06 | .14 |
| 8 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 9 | .12 | .11 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .07 | .14 |
| 10 | .12 | .10 | .09 | .07 | .03 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 11 | .13 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .07 | .14 |
| 12 | .12 | .11 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 13 | .12 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .07 | .14 |
| 14 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .06 | .14 |
| 15 | .12 | .11 | .10 | .06 | .03 | .01 | .01 | T. | .01 | .03 | .07 | .13 |
| 16 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 17 | .13 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .07 | .13 |
| 18 | .12 | .11 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 19 | .12 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .07 | .14 |
| 20 | .12 | .10 | .09 | .07 | .03 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 21 | .12 | .11 | .09 | .06 | .02 | .01 | T. | T. | T. | .02 | .06 | .14 |
| 22 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 23 | .13 | .10 | .09 | .06 | .02 | .01 | T. | T. | T. | .03 | .07 | .14 |
| 24 | .12 | .11 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 25 | .12 | .10 | .09 | .06 | .03 | T. | T. | T. | .01 | .02 | .07 | .14 |
| 26 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 27 | .12 | .11 | .09 | .06 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 28 | .12 | .10 | .09 | .07 | .02 | T. | T. | T. | .01 | .02 | .06 | .14 |
| 29 | .12 | ------ | .09 | .06 | .02 | T. | T. | T. | T. | .02 | .07 | .14 |
| 30 | .13 | ------ | .10 | .07 | .03 | T. | .01 | T. | T. | .03 | .07 | .13 |
| 31 | .12 | ------ | .09 | ------ | .02 | ------ | T. | T. | ------ | .02 | ------ | .14 |
| Monthly normals | 3.77 | 2.89 | 2.81 | 1.95 | .68 | .12 | .03 | T. | .11 | .66 | 2.06 | 4.32 |

Yearly normal precipitation, 19.40 inches.

Note.—T. means a trace of precipitation.

**Date of First and Last Light and Killing Frosts, and Date of Blooming Fruit Trees, in Sacramento.**—The following table of first and last light frosts, first and last killing frosts, along with the lowest temperature, and also the dates at which fruit trees were first noticed beginning to bloom, and the dates and amounts of snowfall for nineteen years, are from the records of Mr. Samuel H. Gerrish, a local and voluntary meteorological observer of the Signal Service, who furnished this data for publication:

| Year. | First Light Frost of the Season. | Minimum Temperature—First Light Frost. | First Killing Frost of the Season. | Minimum Temperature—First Killing Frost. | Last Light Frost of the Season. | Minimum Temperature—Last Light Frost. | Last Killing Frost of the Season. | Minimum Temperature—Last Killing Frost. | First Appearance of Blossoming Fruit Trees. |
|---|---|---|---|---|---|---|---|---|---|
| 1869–70 | November 8, 1869 | 40 | November 30, 1869 | 31 | May 17, 1870 | 41 | March 8, 1870 | 31 | February 21, 1870 |
| 1870–71 | October 24, 1870 | 36 | October 27, 1870 | 30 | April 19, 1871 | 40 | March 18, 1871 | 31 | March 8, 1871 |
| 1871–72 | October 25, 1871 | 37 | November 6, 1871 | 30 | April 12, 1872 | 38 | January 9, 1872 | 27 | February 26, 1872 |
| 1872–73 | October 22, 1872 | 37 | November 10, 1872 | 27 | April 6, 1873 | 34 | April 5, 1873 | 27 | February 16, 1873 |
| 1873–74 | October 16, 1873 | 33 | October 17, 1873 | 31 | April 14, 1874 | 38 | March 19, 1874 | 28 | February 14, 1874 |
| 1874–75 | October 29, 1874 | 39 | November 20, 1874 | 29 | April 7, 1875 | 31 | April 6, 1875; coldest ever known | 24 | February 21, 1875 |
| 1875–76 | October 28, 1875 | 38 | No killing frost; coldest on December 21, 1875 | 35 | April 8, 1876 | 38 | January 16, 1876 | 29 | February 20, 1876 |
| 1876–77 | November 3, 1876 | 36 | November 13, 1876 | 29 | April 23, 1877 | 42 | February 11, 1877 | 32 | February 2, 1877 |
| 1877–78 | October 31, 1877 | 33 | November 1, 1877 | 31 | March 9, 1878 | 39 | January 12, 1878 | 30 | February 1, 1878 |
| 1878–79 | October 16, 1878 | 37 | October 28, 1878 | 29 | April 15, 1879 | 41 | February 6, 1879 | 27 | February 15, 1879 |
| 1879–80 | October 8, 1879 | 39 | November 27, 1879 | 25 | April 18, 1880 | 37 | March 30, 1880 | 28 | February 29, 1880 |
| 1880–81 | October 31, 1880 | 35 | November 13, 1880 | 28 | March 18, 1881 | 33 | March 17, 1881 | 31 | February 22, 1881 |
| 1881–82 | October 4, 1881 | 36 | November 11, 1881 | 30 | May 15, 1882 | 41 | March 9, 1882 | 29 | February 28, 1882 |
| 1882–83 | October 5, 1882 | 42 | November 13, 1882 | 27 | May 2, 1883 | 41 | February 18, 1883 | 29 | February 19, 1883 |
| 1883–84 | October 16, 1883 | 39 | November 4, 1883 | 31 | April 17, 1884 | 43 | February 18, 1884 | 31 | February 20, 1884 |
| 1884–85 | September 30, 1884 | 41 | November 30, 1884 | 31 | April 22, 1885 | 41 | January 26, 1885 | 31 | February 10, 1885 |
| 1885–86 | October 11, 1885 | 38 | No killing frost; coldest on December 28, 1885 | 34 | April 14, 1886 | 39 | January 10, 1886 | 27 | February 8, 1886 |
| 1886–87 | October 9, 1886 | 40 | November 4, 1886 | 32 | May 10, 1887 | 34 | February 26, 1887 | 26 | January 28, 1887 |
| 1887–88 | October 20, 1887 | 37 | November 25, 1887 | 28 | April 26, 1888 | 38 | February 3, 1888 | 28 | January 20, 1888 |
| 1888–89 | October 19, 1888 | 37 | November 6, 1888 | 28 | March 19, 1889 | 40 | February 19, 1889 | 26 | February 3, 1889 |

**Dates of Snowfall in Sacramento and the Amount Precipitated.**—January 29, 1862, .75 of an inch. January 12, 1868, 1.62 inches. December 3, 1873—6.00 inches. April 5, 1875, a trace; enough to whiten the ground before it melted. This was the coldest April ever known. A very light trace on January 13, 1879. January 26, 1880, estimated about .25 of an inch; it mostly melted as it fell. February 17 and 18, 1882, light trace. December 31, 1882, estimated about 4.00 inches; measured 1.50 inches actual measurement. February 1 and 6, 1883, a very light fall of snow. January 4, 1888, 2.89 inches. January 5, 1888, 3.00 inches. The snow that fell on the fifth was very damp and packed hard; if it had been as light as that on the fourth, I think we would have had over 6.00 inches. January 16, 1888, a trace.

**Highest Temperature at Florin, Sacramento County.**—The following record of the highest temperature for each month of the year, and for each year from 1879 to 1888, inclusive, was furnished by Mrs. W. H. Robinson, of Florin, Sacramento County, California:

| YEAR. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Highest During the Year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1879 | 63 | 79 | 78 | 87 | 93 | 102 | 103 | 105 | 98 | 90 | 76 | 66 | 105 in August. |
| 1880 | 66 | 68 | 77 | 83 | 94 | 96 | 103 | 100 | 98 | 90 | 82 | 66 | 103 in July. |
| 1881 | 70 | 72 | 88 | 90 | 96 | 99 | 103 | 98 | 100 | 82 | 78 | 60 | 103 in July. |
| 1882 | 65 | 67 | 82 | 89 | 98 | 98 | 102 | 102 | 104 | 80 | 74 | 69 | 104 in September. |
| 1883 | 66 | 75 | 81 | 78 | 98 | 107 | 108 | 103 | 104 | 86 | 71 | 65 | 108 in July. |
| 1884 | 64 | 74 | 77 | 86 | 94 | 95 | 101 | 101 | 97 | 87 | 89 | 60 | 101 in July and Aug. |
| 1885 | 69 | 72 | 82 | 86 | 102 | 94 | 101 | 109 | 103 | 102 | 76 | 66 | 109 in August. |
| 1886 | 67 | 74 | 76 | 86 | 96 | 102 | 110 | 107 | 101 | 88 | 72 | 70 | 110 in July. |
| 1887 | 65 | 68 | 83 | 88 | 110 | 111 | 105 | 104 | 105 | 97 | 77 | 66 | 111 in June. |
| 1888 | 65 | 79 | 79 | 92 | 93 | 99 | 106 | 110 | 110 | 92 | 80 | 65 | 110 in Aug. and Sept. |
| Highest for each month | 70 in 1881. | 79 in 1879,'88. | 88 in 1881. | 92 in 1888. | 110 in 1887. | 111 in 1887. | 110 in 1886. | 110 in 1888. | 110 in 1888. | 102 in 1885. | 89 in 1884. | 70 in 1886. | 111 in 1887. |

**Lowest Temperature at Florin, Sacramento County.**—The following record of the lowest temperature for each month of the year, and for each year, from 1879 to 1888, inclusive, was furnished by Mrs. W. H. Robinson, of Florin, Sacramento County, California:

| YEAR. | January | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Lowest During the Year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1879 | 31 | 32 | 32 | 44 | 42 | 46 | 52 | 56 | 54 | 40 | 34 | 26 | 26 in December. |
| 1880 | 30 | 30 | 30 | 42 | 40 | 51 | 53 | 54 | 50 | 42 | 27 | 40 | 27 in November. |
| 1881 | 34 | 40 | 34 | 45 | 44 | 46 | 50 | 49 | 46 | 32 | 28 | 30 | 28 in November. |
| 1882 | 24 | 25 | 27 | 36 | 30 | 45 | 50 | 53 | 47 | 33 | 29 | 24 | 24 in Jan. and Dec. |
| 1883 | 19 | 22 | 39 | 37 | 40 | 48 | 54 | 50 | 50 | 37 | 23 | 22 | 19 in January. |
| 1884 | 27 | 21 | 34 | 40 | 41 | 53 | 53 | 52 | 45 | 38 | 31 | 20 | 20 in December. |
| 1885 | 31 | 32 | 40 | 32 | 46 | 42 | 54 | 52 | 47 | 40 | 36 | 35 | 31 in January. |
| 1886 | 28 | 39 | 36 | 36 | 40 | 50 | 52 | 54 | 47 | 37 | 29 | 29 | 28 in January. |
| 1887 | 28 | 27 | 31 | 41 | 41 | 44 | 51 | 51 | 46 | 42 | 23 | 21 | 21 in December. |
| 1888 | 19 | 30 | 38 | 40 | 41 | 50 | 53 | 54 | 55 | 43 | 36 | 36 | 19 in January. |
| Lowest for each month | 19 in 1883,'88. | 21 in 1884. | 27 in 1882. | 32 in 1885. | 30 in 1882. | 42 in 1885. | 50 in 1881,'82. | 49 in 1881. | 45 in 1884. | 32 in 1881. | 23 in 1883,'87. | 20 in 1884. | |

**Rainfall at Folsom, Sacramento County.**—The rainfall data tabulated below is from Folsom, Sacramento County, and was furnished by J. H. Sturges, special River Observer of the United States Signal Service at that point. The rainfall is from September, 1871, to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1871 | | | | | | | | | sprin. | .55 | 1.95 | 13.12 | | 1871–72 | 28.82 |
| 1872 | 5.50 | 4.72 | 1.60 | .63 | .75 | sprin. | none | sprin. | sprin. | .25 | 2.80 | 6.53 | 22.78 | 1872–73 | 15.69 |
| 1873 | 1.64 | 4.05 | .34 | .05 | .03 | none | .01 | sprin. | sprin. | sprin. | 1.39 | 10.51 | 18.02 | 1873–74 | 24.46 |
| 1874 | 5.26 | 2.63 | 1.82 | 2.03 | .81 | sprin. | sprin. | none | sprin. | 1.66 | 5.19 | .13 | 19.53 | 1874–75 | 15.70 |
| 1875 | 6.14 | .04 | 1.24 | sprin. | .07 | 1.23 | none | none | none | .26 | 7.12 | 4.49 | 20.59 | 1875–76 | 30.24 |
| 1876 | 5.89 | 4.06 | 6.62 | 1.56 | .24 | sprin. | .26 | .03 | none | 3.76 | .25 | none | 22.67 | 1876–77 | 10.19 |
| 1877 | 3.38 | .68 | .81 | sprin. | 1.02 | sprin. | sprin. | sprin. | none | .75 | .54 | 1.34 | 8.52 | 1877–78 | 25.00 |
| 1878 | 8.41 | 8.37 | 4.23 | 1.10 | .26 | none | none | sprin. | .12 | .43 | .62 | .56 | 24.10 | 1878–79 | 21.91 |
| 1879 | 4.87 | 4.94 | 5.43 | 3.38 | 1.44 | .12 | none | sprin. | none | 1.21 | 2.20 | 3.19 | 26.78 | 1879–80 | 25.09 |
| 1880 | 1.51 | 2.13 | 1.40 | 11.39 | 2.06 | none | sprin. | none | none | sprin. | .10 | 9.85 | 28.44 | 1880–81 | 25.91 |
| 1881 | 6.70 | 6.07 | 1.38 | 1.13 | sprin. | .68 | none | none | .40 | 1.21 | 1.57 | 3.45 | 22.59 | 1881–82 | 18.68 |
| 1882 | 2.38 | 3.01 | 3.82 | 2.51 | .27 | .06 | sprin. | none | .68 | 2.81 | 3.95 | .74 | 26.23 | 1882–83 | 22.22 |
| 1883 | 2.11 | .80 | 5.46 | 1.10 | 4.57 | none | none | none | 1.82 | 1.41 | .81 | .92 | 19.00 | 1883–84 | 31.02 |
| 1884 | 3.88 | 5.92 | 8.14 | 5.32 | 1.16 | 1.64 | none | sprin. | .64 | 2.02 | none | 6.13 | 37.85 | 1884–85 | 16.58 |
| 1885 | 1.91 | .84 | .15 | 1.68 | sprin. | .21 | .02 | sprin. | .21 | sprin. | 10.91 | 4.88 | 20.81 | 1885–86 | 34.75 |
| 1886 | 7.60 | .90 | 3.16 | 6.78 | .29 | none | none | none | none | 1.34 | .55 | 3.35 | 23.97 | 1886–87 | 20.11 |
| 1887 | 1.27 | 9.21 | 1.30 | 2.84 | .03 | .22 | none | sprin. | .38 | none | .59 | 4.82 | 20.66 | 1887–88 | 16.28 |
| 1888 | 5.83 | .84 | 3.08 | .12 | .35 | .27 | .02 | .01 | .57 | none | 3.71 | 4.32 | 19.12 | 1888–89 | *17.31 |
| 1889 | .32 | .68 | 7.07 | .61 | | | | | | | | | | | |
| Totals | 74.60 | 59.89 | 57.05 | 42.23 | 13.35 | 4.43 | .31 | .04 | 4.44 | 17.66 | 44.25 | 81.33 | 375.66 | | 382.65 |
| Averages | 4.144 | 3.327 | 3.169 | 2.346 | .785 | .261 | .018 | .002 | .247 | .981 | 2.458 | 4.518 | 22.098 | | 22.508 |

* Up to May 1, 1889.

## THE COLD WAVE OF JANUARY, 1888.

The following notes on the cold wave of January, 1888, show that no such a polar current has visited this coast since 1854, which appears from the meager records obtainable, to have been, if anything, somewhat colder than the cold wave of January, 1888. The minimum generally in the Sacramento Valley was about 18°; and in the San Joaquin Valley, 12° to 18°. In the foothills, from 13° to 18°. South of Tehachapi, it ranged from 10° to 30°. It was also the coldest in Portland, Oregon, ever known; the thermometer fell to 2° below zero, Signal Service records. The lowest before this was 3° above zero, in January, 1875.

[From the "Daily Evening Bee," January 14, 1888.]

A Little Cold Weather, But None That Will do any Particular Damage.—Dr. Logan's Recorded Minimum Temperature Again Reached.—Southern California Has None the Best of Northern.

On Thursday the sun came out bright and warm, and the streets were thronged with pedestrians clad in summer attire. The peddlers were abroad merrily calling out: "Oranges, sweet oranges, 15 cents a dozen," and every one believed that the cold weather was over. Last evening, however, the "cold wave" returned, carried by a north wind fresh from the snow-clad Sierras. The wind was quite a vigorous one, and shutters and signs swung and banged during the night. The mercury took a dive toward the bottom of the thermometer, and the result was that when morning came there was a wintry aspect quite unusual in the northern citrus belt.

The sun came out clear and warm, however, and the frigidity of the atmosphere was soon modified, though pedestrians all during the day showed a preference for the sunny side of the street.

In the early morning there was ice on small ponds in the gutters and streets, and small boys gathered about the "smooth article" and gazed in wonder at the natural curiosity.

Coming at this season of the year, the cold snap has done no damage. In fact, judged from a hygienic standpoint, the desiccating north wind is a blessing, serving, as it does, to dry up and obliterate the germs which produce disease.

What the Signal Service Observer Says.—He Gives Some Valuable and Interesting Reading.

It has been said by some doubting Californians that Dr. Logan's minimum or lowest temperature of 19° during the cold winter of 1853–54 was not correct; that they did not believe that such a low temperature was recorded on that occasion. Let those persons hold their peace, for after a lapse of thirty-four years a second occurrence of such a low minimum temperature has made its appearance.

THE EARLY MORNING.

The Signal Service minimum thermometer at 4 o'clock this morning was 24°, and between that time and sunrise it had fallen to 19°, or exactly the same minimum temperature that Dr. Logan recorded in January, 1854.

It is to be hoped that the doctor's record will no longer be disputed, for the above shows that he was a painstaking and careful observer during the early days, when nothing was thought of but gold, gold, gold; but the doctor found it cold, cold, cold, for that particular year.

### EVERY THIRTY YEARS.

Dr. Bennett, of England, says that about once in thirty years there is an extraordinary cold wave blows down the Alps Mountains to the north of the great citrus belt and winter resorts of Northern Italy. These exceptionally cold waves come rushing down the cañons and kill all orange and lemon trees that are not planted in protected places.

### COLD WAVES IN FLORIDA.

Florida has such cold waves at certain intervals. It will be remembered when the last one visited that State; the average newspaper man of California came out in learned and labored articles to prove that such cold weather blasts could not possibly occur in California, although Dr. Logan's record was before them.

### THE THREE CITRUS DISTRICTS.

To-day's minimum temperature shows that the three great citrus districts of the northern hemisphere are alike liable, at long intervals, to be visited by an exceptionally cold wave; therefore, let us be charitable toward other countries that boast of citrus belts.

### THE BEST IN THE WORLD.

We all know that this, our glorious State, is the most free, finest, and best in the known world. The Signal Service reports at 4 o'clock A. M. show an extremely high barometer, accompanied by a cold wave in Washington Territory, Oregon, and California; in California, a gale from the north has been blowing all night, which is, in a measure, the cause of this extreme and very unusual low temperature at Sacramento, because it came directly off the snow and ice of the mountains, and moving so rapidly that it has no time to be warmed by slowly passing over the warmer region of the Sacramento and San Joaquin Valleys, but reaches us with almost the same breath that it left the mountains.

### ICE IN THE RIVER.

Captain Foster, of the Steamboat Company, says this is the first time since 1854 that he has noticed ice floating down the Sacramento River. It has been floating down this morning, measuring about one sixteenth of an inch in thickness, and no doubt, these thin spiculæ of ice formed along the shores of the American and Sacramento Rivers above this city, and by the force of the high northerly winds were broken loose from the shores, grinding them together and blowing them into the current of the two streams mentioned above.

### HIGHEST AND LOWEST TEMPERATURE.

The temperature at 4 A. M. was 24°; between that time and sunrise it fell to 19°; at 8:10 A. M. it was 21°; at 9:20 A. M. 23.5°; at 10:25 A. M. 26°;

at 11:30 A. M. 29.5°; 12, noon, 30°. The temperature, therefore, does not stand as high as the freezing point, which is 32°. Ice on the roof, in a tub thoroughly exposed to the full force and effect of the weather, was one and one tenth inches in thickness at 9:20 A. M., and at noon was the same. In fact, the hole that was cut to measure the ice was closed by a thin film of congelation.

ALONG THE RAILROAD LINES—WHAT THE THERMOMETER SHOWED AT SEVEN THIS MORNING.

At 7 o'clock this morning the temperature was as follows at the railway stations indicated: Truckee, 25° below zero; Summit, 12° below zero; Cisco, 3° above zero, and six inches of snow; Emigrant Gap, 8°; Blue Cañon, 7°; Towles, 8°; Gold Run, 7°; Colfax, 16°; Auburn, 26°; Newcastle, 20°; Rocklin, 20°; Sacramento, 22°; Tehama, 34°; Nord, 17°; Chico, 20; Biggs, 25°; Marysville, 20°; Lincoln, 20°; South Vallejo, 22°; Napa, 26°; Calistoga, 24°; Suisun, 26°; Elmira, 25°; Davisville, 24°; Woodland, 20°; Knights Landing, 28°; Dunnigan, 29°; Williams, 23°; Willows, 28°; Orland, 22°; Corning, 26°; Red Bluff, 30°; Wheatland, 24°.

["Daily Record-Union," January 16, 1888.]

COLD WAVE ONCE IN FORTY YEARS.—THE COLD WAVE OF JANUARY, 1854, ALMOST EQUALED BY THE PRESENT COLD SPELL.

For the second time in thirty-four years an extraordinary cold wave is sweeping down upon the Pacific Coast. The Signal Service reports show the minimum or lowest temperature on Saturday and yesterday (Sunday) to have been 19°. It has not been so low as that before since January, 1854, when the same temperature was recorded by the late Dr. Thomas M. Logan, the then meteorologist of this city. For the sake of comparison, I visited the city's free library to find a copy of the old "Sacramento Union" for January, 1854, but there were no copies so early as that date, in the library, of that particular paper. There was a copy of the Sacramento "Daily Democratic State Journal." From the columns of its local news I find considerable very interesting reading, just at present, for the citizens of our city. If the dates were left out, the articles would very well refer to the present almost unprecedented cold weather. The articles copied from the above named paper are as follows:

Saturday, January 7, 1854.—Yesterday was a clear, calm, cold day. We were shown ice yesterday morning, one and one quarter of an inch thick, the thickest ever seen, we believe, in Sacramento. The night of Thursday (5th) was unusually cold.

The following would do for a good description of the last three days of our present cold spell:

Monday, January 9, 1854.—The weather has been unusually cold the past three days Yesterday, in riding a short distance in the country, we noticed, as late in the day as 3 o'clock, ice in considerable quantities in the marshes by the roadside. Such an occurrence was never noted before.

To show that the cold wave of 1854 did not stop at Sacramento, the following article from the "Democrat" will prove:

Wednesday, January 11, 1854.—The Stockton "Journal" has been shown a piece of ice three inches thick, that was formed on Thursday (5th) night last.

The following certainly is applicable to our present cold spell; in fact, change the date to January 16, 1888, and the same words will apply to Sacramento now:

Friday, January 20, 1854.—This season is one of most extraordinary severity. From all we can learn never has its equal been known, even to that antiquated individual the oldest inhabitant. The ground yesterday morning (19th) was frozen at least two inches in depth, and ice was formed from one half to one and one half inches in thickness. Even the sun scarcely melted the ice, and the moment it ceased to shine upon any one spot freezing commenced. The air was clear, and the mountains loomed up covered to an immense height with snow. Indeed everything looked and felt like winter. We hope such unpleasant weather will not continue long.

Boys were skating yesterday (January 15, 1888), back of the roundhouse. Read the following, dated Saturday, January 21, 1854:

Skating in Sacramento.—The frost of night before last was by far the heaviest we have seen in this valley; the unplanked levee became as firm as the planked streets. Crystal formations were everywhere that damp had of late been, and to cap the climax, we beheld, when we arose yesterday morning, numerous little boys disporting themselves on a pond in Second Street, by cutting their names with their skates on the ice. How the ice got there we could account for, and where the boys came from we could imagine, but when we thought of the skates we came to a full stop. Whose speculative spirit thought of bringing skates to Sacramento?

Monday, January 23, 1854.—After a succession of most extraordinary cold days the weather moderated yesterday afternoon.

From the same paper and the same date I clip the following:

Frozen Over.—Sutter Lake was frozen over Saturday night and remained so all day yesterday; the ice was from one half to one inch thick. This never happened before—at least to the knowledge of any person now living in this region.

Tuesday, January 24, 1854.—The Stockton Slough was frozen over on Saturday night (21st) so that the steamer Clay had to beat her way through the ice. The like was never before known in that vicinity.

Wednesday, January 25, 1854.—The suspension of heavy and hard frost for the past two weeks have enabled our waterworks contractor to proceed with the reservoir.

Wednesday, January 25, 1854.—The recent cold weather caused quite a rise in the price of ducks, geese, etc., owing to ponds being frozen over so as to prevent them getting their accustomed food.

The following notes must mean Nevada County and not the State of Nevada, for much colder weather than that is experienced in the Sagebrush State:

Wednesday, January 25, 1854.—The people of Nevada may well complain of the cold, as the following from "Young America" will show: On Friday last the thermometer stood at 2:30 o'clock A. M., 4° below zero; 5 o'clock A. M., 8.5° below zero; 9:30 o'clock A. M., 7° below zero. This, we believe, is the coldest weather yet recorded in California. Ice formed four inches thick.

The above numerous though brief notes from the "Daily Democratic State Journal," show that the cold spell of January, 1854, lasted upwards of two weeks. Although the paper did not give any temperature figures, we find, by referring to the record of Dr. Logan for that month, that he records a minimum temperature of 19°, which is our minimum for Saturday and yesterday. It can be safely said that we are liable to an extremely cold wave along the entire Pacific Coast of the United States, every thirty or forty years.

The average temperature on Saturday and yesterday, was 28°; Saturday being 18° colder than the normal for that day, and yesterday 17° colder than the normal. The highest and lowest temperature was, for Saturday, 38° and 19°, and yesterday, 37° and 19°, with high northerly winds on Saturday, and brisk to gentle northerly winds yesterday.

An abstract from Dr. Logan's meteorological table for the month of January, 1854 (taken from the "Daily Union" of January thirtieth), shows

that during the week from the seventh to the fourteenth, the maximum temperature was 54°, the minimum 32°, and there were no rainy days during the week. From the fourteenth to the twenty-first there were three rainy days. The highest temperature was 69°, and the lowest 32°; the prevailing winds being from the south and southeast. The following week the wind ranged from the southeast to northwest, and there were two rainy days. The highest temperature was 49°, and the lowest 19°, on the morning of the twenty-first. During the last week the thermometer ranged from 56° to 28°, with two rainy days, and the prevailing winds were from the north and northwest. In his remarks Dr. Logan says:

The thermometer used for these observations is hung in still air of a northern exposure and protected from the influence of wind or sun. The observations are made at 8 A. M., 3 P. M., and 10 P. M. The minimum, therefore, which generally occurs during the night, has not been obtained. The degree of cold experienced during the month is unprecedented. Sutter Lake was frozen over on the sixth and on the twenty-first, and remained so all the day of the twenty-second. Ice formed in the city from the thickness of one to two and a half inches. The effect of such weather upon the health manifested itself in the extinguishment of intermittent fevers, which had been previously so prevalent, and an increase of catarrhal and other inflammatory affections of the respiratory organs.

### ICE ON THE SLOUGHS.

Ice formed on Lake Como, alias China Slough, during the recent cold spell, to the depth of nearly an inch near the shore, and the whole surface of the slough was frozen over except a space of about eighty feet square near the eastern end. The mud-hens and ducks were forced into this small space, and consequently appeared more than usually numerous. The slough was never so nearly frozen over before; but in 1854, so says a prominent citizen and capitalist, the ice was much thicker near the southern shore, and afforded good skating for many people. The ice twenty feet from shore at that time was too thin to support a person, and thus the skaters were confined to a space about fifteen feet wide and nearly three hundred yards long. Last week ice about half an inch thick formed on the surface of the slough back of the roundhouse, and the north wind of Friday and Saturday blew water over it. The water froze almost immediately, and in a short time ice sufficiently thick to bear the weight of a heavy man was formed. Several parties who were so fortunate as to possess ice skates improved the occasion, and had a high old skating carnival. A short distance from the shore the ice was quite thin, but fortunately no one ventured far enough from land as to endanger their lives thereby, or to furnish the newspaper scribes with an interesting item.

Saturday morning thin pieces of ice which the stiff norther had broken off from the banks where the water was shallow, floated down the river, and was considered a great curiosity by the people. It was one sixteenth of an inch thick.

["Daily Evening Bee," January 18, 1888.]

### Facts About the Weather.—A Former Resident Relates his Experiences in Sacramento.

*Sergeant Barwick:*

Dear Sir: I noticed your report of weather statistics in Saturday's "Daily Bee," particularly the extracts from Dr. Logan's report of the weather for the winter of 1853 and 1854. Many times I have referred to that winter in conversation with others, as the coldest I have ever experienced since my arrival in California, July 4, 1849, and a resident of Sacramento from the fourteenth of the same month and year until April, 1861, and in other places until the commencement of the present cold wave.

During the cold spell mentioned above, I was doing business at the Big Tree Store, corner of Eighth and J Streets, Sacramento. I have no recollection of the day or date of the commencement of the cold wave in 1854. I kept no record. There had been a fall of snow, leaving about two and a half inches on the ground, and the weather cleared up that night very cold. I usually opened the store in the morning before daylight. Having occasion for some water to wash myself, I went in the rear to the pump and caught hold of the iron handle. My hand clung to it; experience told me it required very cold weather to freeze a moist hand to cold iron. Having a thermometer hanging on the outside of the house facing the east, an examination of the same was made with a lighted candle. The reading was 18° above zero, or 14° below the freezing point. This would make it 1° below Dr. Logan's reading. It was all of two weeks before the snow disappeared from sheltered places.

It is now thirty-four years since that cold wave passed over this State, and I have not seen any winter to compare with it until the present one of 1888.

Another circumstance I will relate, during the cold weather of 1854. I have no doubt many old settlers are yet lingering in Sacramento who will remember the cake of ice I placed on my platform scales, in front of my store on J Street. My well water was hard, and would not readily remove dirt when using it. To obtain soft water I had a large hogshead placed in the rear of the store to catch rain water from the roof. It was facing the north, and so sheltered the sun never shown upon it. The first morning after the cold wave set in, I noticed the water frozen in the hogshead. I requested all of our folks in the store not to break the ice until the cold spell had passed over; every night the freeze added thickness to that ice, and continued nearly two weeks before the temperature moderated above the freezing point. Even the snow in the sheltered places lay on the ground during that time. With a crowbar I broke the ice in that hogshead, taking from it a large block and placing it on my platform scales in front of the store on J Street, and measured the thickness. The sides next to the hogshead were eight and a half (8½) inches thick, and the center six (6) inches. The winter of 1854 was the longest cold spell I have any recollection of, until the present winter. The highest and lowest temperature at Oroville during the present time, up to and including yesterday, the sixteenth, was 56° and 20°.

Yours truly,

HIRAM ARENTS,
Voluntary Signal Service Observer.

Oroville, January 17, 1888.

THE COLD WAVE.—RECORDS OF THREE SACRAMENTO OBSERVERS AT DIFFERENT POINTS IN THE CITY.

The following interesting tabulated matter during January last shows the lowest temperature recorded by self-registering instruments in different parts of the city. Captain Foster, of the steamboat company, has his thermometer at his residence, southwest corner of Eleventh and F Streets. It is a Green's standard signal service self-registering instrument, and is exposed under a grapevine arbor about five feet from the ground, in his back yard, the two-story house breaking (somewhat) the force of the north winds.

S. H. Gerrish's is a Sixe self-registering thermometer, manufactured by Hicks, of London, England, and is situated in his back yard, at No. 1517

G Street, being on the north side of the street. The thermometer is exposed to the full effect of radiation to the sky, there being no covering over it, and is in the back yard subject to the full force and effects of the north winds, which are cold in winter and hot in spring, summer, and fall. Mr. Gerrish's thermometer is about five or six feet above the ground.

The Signal Service thermometer is a Green's standard minimum, self-registering instrument, exposed on the roof of the Signal Office building, at No. 117 J Street, sixty-one feet above the ground, and is in a single latticed shelter, Signal Service pattern. The wind blows through the shelter in all directions.

The table below shows that during the thirty-one days of January there were but two upon which each observer recorded the same minimum temperature, and singularly, too, the minimum temperature was the same on both the days, being 34° on both the twelfth and nineteenth. The wind was north, blowing nine miles per hour, and weather cloudy at 4 A. M. of the twelfth, and southwest four miles per hour and weather cloudy on the nineteenth.

Captain Foster's record and the Signal Service record were the same on eight days, as follows: Twelfth, 34°; thirteenth, 32°; seventeenth, 22°; nineteenth, 34°; twentieth, 38°; twenty-first, 41°; twenty-third, 49°; twenty-fourth, 42°. There were but three days upon which the records of Mr. Gerrish and the Signal Office coincided, those being the twelfth, 34°; nineteenth, 34°; and twenty-second, 45°.

The average difference during the month was as follows: Captain Foster 1.8° lower than the Signal Service, 1.1° higher than Mr. Gerrish, while the records of the latter gentleman show an average difference of 2.9° less than the Signal Service, and 1.1° less than Captain Foster.

There were sixteen days in January that were cloudy at 4 A. M. The average minimum temperature for those sixteen cloudy days at the above hour, was: Foster, 39.9°; Gerrish, 39.8°; Signal Service, 41.6°—making the latter only 1.7° higher than Foster, and 1.8° higher than Gerrish. The fifteen days that were clear or fair at 4 A. M., show an average minimum of 26.9° for Foster, 25.3° for Gerrish, and 29.5° for the Signal Service, making the latter 2.6° higher than Foster, and 4.2° higher than Gerrish. The greatest difference (6°) between the readings of Mr. Gerrish's thermometer and that of the Signal Service, occurred on the seventh, eighth, ninth, and sixteenth. At each time the wind was from the north, and gentle in velocity, and calm on the eighth. The weather was clear each day.

The least difference was 1°—on the first, fourteenth, twentieth, twenty-first, twenty-fourth, and twenty-sixth. The weather was rainy or cloudy on each day, except on the fourteenth, when it was blowing briskly from the north. There does not appear to be so much difference between the readings of the Signal Office and Captain Foster's as there is between the Signal Office and Mr. Gerrish's records. It appears from the above comparisons for January that, as a general thing, there is a difference of from 1° to 6° in clear weather between thermometers five feet above the ground, and those located sixty-one feet above. The difference is greater in calm weather, or during light to gentle winds, and when the temperature is below the freezing point. The least difference in clear weather usually occurs when it is quite windy—that is, when the wind is fresh to brisk and high. In cloudy weather there is less difference than in clear weather, because the clouds reflect the heat back to the earth, and prevent the rapid radiation from all substances growing on the earth's surface, and prevents the heat from escaping so rapidly from the earth's surface by radiation.

This table of comparisons will give a good idea of the various currents of air throughout the city. The Signal Office being near the river (within one block), its minimum should be a little higher, while Captain Foster's is about fifteen blocks, or over a mile, northeast of the Signal Office, and on the corner of a wide street, while Mr. Gerrish's place of residence and observation are very nearly one mile northeast of the Signal Office, and are situated in the middle of the block.

COMPARISON OF RECORDS.

| JANUARY. | Minimum Temperature by Captain Foster's Thermometer. | Minimum Temperature by S. H. Gerrish's Thermometer. | Minimum Temperature by Signal Service | Wind Direction, Signal Service, 4 A. M. | Wind Velocity, Signal Service, 4 A. M. | State of the Weather, Signal Service, 4 A. M. |
|---|---|---|---|---|---|---|
| 1 | 39 | 39 | 40 | S.E. | 5 | Light rain. |
| 2 | 39 | 39 | 42 | S. | 1 | Light rain. |
| 3 | 40 | 40 | 44 | S.W. | 12 | Light rain. |
| 4 | 28 | 26 | 31 | W. | 5 | Clear. |
| 5 | 32 | 31 | 34 | Calm. | 0 | Cloudy. |
| 6 | 28 | 27 | 29 | N. | 4 | Cloudy. |
| 7 | 22 | 20 | 26 | N. | 6 | Clear. |
| 8 | 20 | 18 | 24 | Calm. | 0 | Clear. |
| 9 | 21 | 19 | 25 | N. | 4 | Clear. |
| 10 | 24 | 22 | 27 | Calm. | 0 | Clear. |
| 11 | 25 | 24 | 28 | N.W. | 2 | Clear. |
| 12 | 34 | 34 | 34 | N. | 9 | Cloudy. |
| 13 | 32 | 29 | 32 | S.E. | 7 | Clear. |
| 14 | 20 | 18 | 19 | N. | 27 | Clear. |
| 15 | 18 | 16 | 19 | N. | 9 | Clear. |
| 16 | 19 | 18 | 24 | N. | 6 | Clear. |
| 17 | 22 | 20 | 22 | N. | 8 | Clear. |
| 18 | 22 | 22 | 25 | E. | 4 | Clear. |
| 19 | 34 | 34 | 34 | S.W. | 4 | Cloudy. |
| 20 | 38 | 37 | 38 | S.E. | 3 | Light rain. |
| 21 | 41 | 40 | 41 | S.E. | 2 | Cloudy. |
| 22 | 46 | 45 | 45 | Calm. | 0 | Light rain. |
| 23 | 49 | 47 | 49 | S. | 6 | Foggy. |
| 24 | 42 | 41 | 42 | S.W. | 3 | Cloudy. |
| 25 | 46 | 45 | 48 | Calm. | 0 | Cloudy. |
| 26 | 40 | 40 | 41 | N.W. | 4 | Fair. |
| 27 | 46 | 45 | 48 | S.W. | 2 | Cloudy. |
| 28 | 44 | 43 | 46 | S.E. | 3 | Cloudy. |
| 29 | 50 | 49 | 51 | S.E. | 6 | Cloudy. |
| 30 | 48 | 46 | 52 | S.E. | 5 | Fair. |
| 31 | 42 | 41 | 48 | S.E. | 3 | Fair. |
| Average | 33.9 | 32.8 | 35.7 | N. & S.E. | 4.8 | |

**Rainfall at Woodland, Yolo County.**—Below we append a table of the monthly rainfall at Woodland, since 1873, taken from J. B. Elston's record, which is the standard gauge for Yolo County:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1873 | 1.25 | 2.84 | .56 | .18 | none | none | none | none | none | .20 | 1.15 | 10.44 | 16.62 | 1872–73 | 10.22 |
| 1874 | 5.99 | 1.33 | 2.85 | .64 | .40 | none | none | none | none | 3.26 | 2.79 | .16 | 17.42 | 1873–74 | 23.00 |
| 1875 | 5.22 | .35 | .66 | none | .15 | 1.59 | none | none | none | .44 | 3.87 | 2.49 | 14.77 | 1874–75 | 14.18 |
| 1876 | 4.40 | 4.85 | 4.24 | 1.40 | .45 | none | .16 | none | .17 | 3.37 | .27 | none | 19.31 | 1875–76 | 22.30 |
| 1877 | 3.95 | 1.42 | .77 | .03 | .53 | none | none | none | none | .94 | 1.10 | 1.29 | 10.03 | 1876–77 | 10.51 |
| 1878 | 11.52 | 7.61 | 2.30 | 1.25 | .68 | none | none | none | .25 | .34 | .88 | .01 | 24.84 | 1877–78 | 26.69 |
| 1879 | 2.62 | 3.25 | 4.48 | 2.40 | 1.70 | none | none | none | none | .22 | 7.15 | 3.66 | 20.48 | 1878–79 | 16.23 |
| 1880 | 1.33 | 1.22 | .97 | 6.84 | .28 | none | none | none | none | none | none | 8.73 | 19.37 | 1879–80 | 16.57 |
| 1881 | 4.50 | 1.93 | .97 | 1.39 | none | .35 | none | none | .50 | .25 | 1.87 | 2.37 | 14.13 | 1880–81 | 17.87 |
| 1882 | 1.24 | 1.87 | 2.34 | 1.51 | .03 | .07 | none | none | .82 | 2.04 | 2.42 | 1.05 | 13.39 | 1881–82 | 12.25 |
| 1883 | .91 | .60 | 3.24 | 1.22 | 4.65 | none | none | none | .54 | 1.04 | .30 | .54 | 13.04 | 1882–83 | 16.75 |
| 1884 | 3.67 | 4.07 | 6.53 | 4.03 | none | 3.02 | none | none | .22 | 1.61 | none | 5.57 | 27.73 | 1883–84 | 22.75 |
| 1885 | 1.62 | .15 | .15 | 1.50 | none | none | none | none | .06 | .05 | 9.14 | 2.73 | 15.40 | 1884–85 | 10.82 |
| 1886 | 5.81 | none | 1.71 | 4.14 | none | none | none | none | none | .59 | none | 1.39 | 13.64 | 1885–86 | 23.64 |
| 1887 | .88 | 7.56 | .75 | 1.90 | none | none | none | none | none | none | .60 | 3.67 | 15.36 | 1886–87 | 13.07 |
| 1888 | 3.88 | .97 | 2.80 | .10 | .77 | none | none | none | .56 | none | 6.25 | 4.51 | 19.84 | 1887–88 | 12.79 |
| 1889 | .19 | .11 | | | | | | | | | | | | 1888–89 | *11.62 |
| Totals | 58.98 | 40.13 | 35.32 | 28.53 | 9.64 | 4.04 | .16 | none | 3.12 | 14.35 | 32.79 | 48.61 | 275.37 | | 269.84 |
| Averages | 3.469 | 2.361 | 2.208 | 1.783 | 0.602 | 0.269 | 0.011 | none | 0.195 | 0.884 | 2.049 | 3.038 | 17.211 | | 16.865 |

*Up to March 1, 1889.

## Maximum and Minimum Temperature of Auburn, and Rainfall for 1888.

| January. | Max. | Min. | Rainfall. | February. | Max. | Min. | Rainfall. |
|---|---|---|---|---|---|---|---|
| 1 | 46.0 | 35.0 | .33 | 1 | 50.0 | 43.0 | .46 |
| 2 | 52.0 | 40.0 | .83 | 2 | 51.5 | 33.0 | |
| 3 | 54.0 | 41.0 | 2.02 | 3 | 55.0 | 33.0 | |
| 4 | 53.0 | 29.5 | | 4 | 57.5 | 36.0 | |
| 5 | 39.5 | 30.5 | | 5 | 56.0 | 33.5 | |
| 6 | 43.5 | 21.0 | 1.08 | 6 | 58.0 | 35.5 | |
| 7 | 40.0 | 17.0 | | 7 | 58.0 | 34.0 | |
| 8 | 38.0 | 18.5 | | 8 | 59.0 | 37.0 | |
| 9 | 41.0 | 13.0 | | 9 | 57.0 | 36.5 | |
| 10 | 46.0 | 23.0 | | 10 | 55.0 | 43.5 | .06 |
| 11 | 48.0 | 28.0 | | 11 | 59.5 | 48.0 | .11 |
| 12 | 48.0 | 27.5 | | 12 | 59.5 | 49.0 | .37 |
| 13 | 48.5 | 32.0 | | 13 | 57.0 | 39.5 | .60 |
| 14 | 39.0 | 20.5 | | 14 | 56.5 | 42.0 | |
| 15 | 38.0 | 18.5 | | 15 | 62.0 | 38.5 | .01 |
| 16 | 40.0 | 22.0 | | 16 | 64.0 | 38.0 | |
| 17 | 44.0 | 25.5 | | 17 | 57.5 | 39.5 | |
| 18 | 48.0 | 27.0 | | 18 | 58.5 | 44.0 | |
| 19 | 50.5 | 37.0 | .06 | 19 | 60.5 | 34.5 | |
| 20 | 54.0 | 38.0 | .07 | 20 | 64.5 | 36.0 | |
| 21 | 55.0 | 43.5 | 1.51 | 21 | 69.0 | 41.0 | |
| 22 | 59.0 | 45.5 | 1.17 | 22 | 68.0 | 46.5 | |
| 23 | 59.5 | 50.0 | .62 | 23 | 69.0 | 44.0 | |
| 24 | 59.0 | 43.0 | .63 | 24 | 68.0 | 42.5 | |
| 25 | 65.0 | 47.0 | .01 | 25 | 69.0 | 42.0 | |
| 26 | 63.0 | 42.5 | | 26 | 71.0 | 44.0 | |
| 27 | 56.5 | 43.0 | | 27 | 68.0 | 46.0 | |
| 28 | 58.5 | 46.0 | .12 | 28 | 56.0 | 37.5 | |
| 29 | 57.0 | 47.5 | .03 | 29 | 56.0 | 27.5 | |
| 30 | 63.0 | 44.0 | .23 | | | | |
| 31 | 61.0 | 43.5 | | | | | |
| **March.** | | | | **April.** | | | |
| 1 | 48.0 | 31.0 | | 1 | 59.0 | 41.5 | .42 |
| 2 | 46.0 | 34.5 | .46 | 2 | 62.0 | 41.0 | |
| 3 | 47.0 | 32.0 | .65 | 3 | 59.0 | 41.5 | |
| 4 | 45.5 | 37.5 | .37 | 4 | 68.0 | 41.0 | .36 |
| 5 | 51.0 | 36.5 | .73 | 5 | 63.0 | 37.0 | |
| 6 | 58.0 | 33.5 | .26 | 6 | 70.5 | 40.0 | |
| 7 | 57.0 | 38.0 | | 7 | 74.0 | 40.5 | |
| 8 | 59.0 | 41.5 | | 8 | 79.0 | 41.0 | |
| 9 | 57.0 | 34.0 | | 9 | 89.0 | 42.0 | |
| 10 | 58.0 | 34.5 | | 10 | 86.5 | 44.5 | |
| 11 | 62.0 | 38.0 | | 11 | 93.5 | 48.0 | |
| 12 | 67.5 | 41.0 | | 12 | 94.5 | 55.0 | |
| 13 | 60.5 | 46.5 | .08 | 13 | 96.0 | 53.5 | |
| 14 | 66.5 | 39.5 | .30 | 14 | 97.5 | 56.5 | |
| 15 | 70.0 | 37.5 | | 15 | 86.0 | 57.5 | |
| 16 | 77.0 | 44.0 | | 16 | 85.0 | 48.0 | |
| 17 | 77.5 | 45.5 | | 17 | 91.0 | 50.5 | |
| 18 | 69.0 | 46.0 | | 18 | 91.0 | 53.5 | |
| 19 | 67.0 | 45.5 | | 19 | 88.5 | 50.5 | |
| 20 | 81.0 | 43.5 | | 20 | 90.5 | 54.0 | |
| 21 | 73.5 | 44.5 | | 21 | 88.0 | 57.0 | |
| 22 | 69.5 | 46.5 | | 22 | 78.0 | 50.0 | |
| 23 | 60.5 | 44.5 | | 23 | 75.0 | 50.0 | |
| 24 | 62.5 | 39.5 | | 24 | 70.0 | 46.5 | .01 |
| 25 | 63.0 | 41.0 | | 25 | 64.5 | 41.5 | |
| 26 | 72.0 | 38.0 | | 26 | 73.5 | 39.5 | .10 |
| 27 | 76.0 | 36.0 | | 27 | 79.0 | 44.5 | |
| 28 | 68.0 | 39.5 | | 28 | 89.5 | 53.0 | |
| 29 | 60.0 | 41.5 | | 29 | 85.0 | 55.0 | |
| 30 | 56.0 | 41.0 | | 30 | 77.0 | 45.0 | |
| 31 | 52.5 | 44.5 | 1.18 | | | | |

*January*—Average maximum, 50.5. Average minimum, 33.5. Rainfall, 8.71 inches.
*February*—Average maximum, 60.3. Average minimum, 39.2. Rainfall, 1.61 inches.
*March*—Average maximum, 62.5. Average minimum, 39.8. Rainfall, 4.03 inches.
*April*—Average maximum, 80.1. Average minimum, 47.3. Rainfall, .89 of an inch.

AUBURN TEMPERATURE—Continued.

| MAY. | Max. | Min. | Rainfall. | JUNE. | Max. | Min. | Rainfall. |
|---|---|---|---|---|---|---|---|
| 1 | 71.0 | 43.0 | | 1 | 69.5 | 56.5 | |
| 2 | 76.0 | 44.0 | | 2 | 76.0 | 53.5 | .11 |
| 3 | 68.0 | 44.5 | .01 | 3 | 70.0 | 47.5 | .05 |
| 4 | 74.0 | 46.5 | .26 | 4 | 73.0 | 45.5 | |
| 5 | 78.0 | 46.5 | | 5 | 83.0 | 49.0 | |
| 6 | 79.0 | 52.0 | | 6 | 71.0 | 48.5 | |
| 7 | 76.0 | 45.5 | | 7 | 75.5 | 43.0 | .15 |
| 8 | 80.0 | 46.5 | | 8 | 84.5 | 50.5 | |
| 9 | 83.0 | 49.0 | | 9 | 82.5 | 57.0 | |
| 10 | 84.5 | 53.5 | | 10 | 81.0 | 48.0 | |
| 11 | 90.0 | 52.0 | | 11 | 87.0 | 54.0 | |
| 12 | 88.0 | 59.0 | | 12 | 80.0 | 52.5 | |
| 13 | 78.5 | 59.0 | | 13 | 81.0 | 56.0 | .05 |
| 14 | 78.5 | 49.5 | | 14 | 79.5 | 58.0 | |
| 15 | 69.0 | 47.5 | | 15 | 77.0 | 53.0 | .27 |
| 16 | 78.0 | 49.0 | | 16 | 79.0 | 49.0 | |
| 17 | 78.0 | 48.0 | | 17 | 70.5 | 51.5 | .13 |
| 18 | 78.0 | 49.5 | | 18 | 76.0 | 47.0 | .28 |
| 19 | 72.0 | 44.0 | | 19 | 70.5 | 51.5 | .07 |
| 20 | 71.0 | 39.0 | | 20 | 86.0 | 50.0 | .08 |
| 21 | 74.0 | 38.0 | | 21 | 92.0 | 59.0 | |
| 22 | 70.0 | 42.0 | | 22 | 94.5 | 62.0 | |
| 23 | 68.0 | 42.5 | | 23 | 91.0 | 58.0 | |
| 24 | 68.0 | 44.0 | | 24 | 90.5 | 55.0 | |
| 25 | 64.0 | 43.5 | .20 | 25 | 86.0 | 55.5 | |
| 26 | 68.0 | 47.0 | .29 | 26 | 91.0 | 57.0 | |
| 27 | 76.0 | 43.5 | | 27 | 84.0 | 54.0 | |
| 28 | 84.0 | 52.0 | | 28 | 76.0 | 48.5 | |
| 29 | 86.0 | 53.0 | | 29 | 79.5 | 48.5 | |
| 30 | 80.0 | 57.0 | | 30 | 85.0 | 50.5 | |
| 31 | 76.5 | 56.0 | | | | | |
| JULY. | | | | AUGUST. | | | |
| 1 | 93.0 | 55.0 | | 1 | 82.0 | 45.5 | |
| 2 | 95.0 | 59.0 | | 2 | 84.0 | 49.0 | |
| 3 | 99.0 | 62.0 | | 3 | 89.0 | 53.5 | |
| 4 | 93.0 | 62.5 | | 4 | 93.0 | 57.5 | |
| 5 | 90.0 | 54.0 | | 5 | 96.0 | 59.5 | |
| 6 | 93.0 | 55.5 | | 6 | 100.0 | 63.0 | |
| 7 | 88.5 | 52.5 | | 7 | 103.0 | 64.0 | |
| 8 | 82.0 | 47.0 | | 8 | 100.0 | 68.0 | |
| 9 | 84.0 | 47.5 | | 9 | 91.5 | 52.0 | |
| 10 | 82.5 | 49.5 | | 10 | 96.0 | 58.0 | |
| 11 | 76.0 | 53.5 | | 11 | 98.0 | 62.0 | |
| 12 | 81.0 | 48.5 | | 12 | 100.0 | 63.0 | |
| 13 | 90.5 | 53.5 | | 13 | 101.5 | 63.0 | |
| 14 | 97.0 | 60.0 | | 14 | 100.5 | 63.5 | |
| 15 | 102.0 | 63.0 | | 15 | 94.0 | 59.0 | |
| 16 | 105.0 | 70.0 | | 16 | 87.0 | 51.0 | |
| 17 | 100.0 | 69.5 | | 17 | 90.0 | 51.0 | |
| 18 | 101.0 | 69.0 | | 18 | 96.0 | 54.5 | |
| 19 | 99.5 | 66.0 | | 19 | 91.0 | 60.0 | |
| 20 | 101.0 | 68.0 | | 20 | 102.5 | 63.0 | |
| 21 | 96.0 | 70.0 | | 21 | 101.5 | 62.0 | |
| 22 | 100.5 | 67.0 | | 22 | 100.0 | 66.5 | |
| 23 | 97.0 | 65.5 | | 23 | 111.5 | 71.5 | |
| 24 | 92.0 | 64.0 | | 24 | 110.0 | 71.5 | |
| 25 | 87.0 | 53.0 | | 25 | 100.0 | 70.0 | |
| 26 | 86.5 | 52.0 | | 26 | 92.0 | 64.0 | |
| 27 | 90.0 | 51.0 | | 27 | 105.0 | 70.0 | |
| 28 | 88.0 | 49.0 | | 28 | 108.5 | 70.0 | |
| 29 | 91.5 | 51.0 | | 29 | 101.5 | 76.0 | |
| 30 | 89.5 | 60.5 | | 30 | 100.0 | 73.0 | |
| 31 | 76.0 | 51.0 | | 31 | 105.5 | 74.0 | |

*May*—Average maximum, 76.2. Average minimum, 47.9. Rainfall, .76 of an inch.
*June*—Average maximum, 80.8. Average minimum, 52.3. Rainfall, 1.19 inches.
*July*—Average maximum, 91.8. Average minimum, 57.7.
*August*—Average maximum, 97.7. Average minimum, 62.2.

AUBURN TEMPERATURE—Continued.

| SEPTEMBER. | Max. | Min. | Rainfall. | OCTOBER. | Max. | Min. | Rainfall. |
|---|---|---|---|---|---|---|---|
| 1 | 108.0 | 78.0 | | 1 | 76.0 | 53.0 | |
| 2 | 100.0 | 74.0 | | 2 | 78.0 | 54.0 | |
| 3 | 104.0 | 75.0 | | 3 | 79.5 | 58.0 | |
| 4 | 94.0 | 70.0 | | 4 | 84.0 | 59.0 | |
| 5 | 100.0 | 50.0 | | 5 | 83.5 | 60.0 | |
| 6 | 105.5 | 65.0 | | 6 | 76.0 | 50.0 | |
| 7 | 106.0 | 70.0 | | 7 | 75.5 | 56.0 | |
| 8 | 106.0 | 74.0 | | 8 | 77.0 | 49.0 | |
| 9 | 99.0 | 71.0 | | 9 | 81.0 | 55.0 | |
| 10 | 106.5 | 78.5 | | 10 | 85.0 | 60.0 | |
| 11 | 103.0 | 80.0 | | 11 | 88.5 | 61.0 | |
| 12 | 102.0 | 75.0 | | 12 | 86.0 | 60.0 | |
| 13 | 95.0 | 70.0 | | 13 | 81.0 | 49.0 | |
| 14 | 96.0 | 64.0 | .05 | 14 | 82.0 | 56.0 | |
| 15 | 85.0 | 69.0 | .25 | 15 | 84.0 | 57.0 | |
| 16 | 83.0 | 64.0 | | 16 | 78.0 | 53.0 | |
| 17 | 87.5 | 56.0 | | 17 | 69.0 | 48.0 | |
| 18 | 92.0 | 57.0 | | 18 | 84.0 | 55.0 | |
| 19 | 96.0 | 60.0 | | 19 | 78.0 | 50.0 | |
| 20 | 95.0 | 60.0 | | 20 | 86.5 | 47.0 | |
| 21 | 94.5 | 62.0 | | 21 | 78.0 | 52.0 | |
| 22 | 93.0 | 58.0 | | 22 | 82.0 | 55.0 | |
| 23 | 86.0 | 61.0 | | 23 | 79.0 | 50.0 | |
| 24 | 96.0 | 65.0 | | 24 | 68.0 | 52.0 | |
| 25 | 96.0 | 66.0 | | 25 | 68.0 | 48.0 | |
| 26 | 96.5 | 70.0 | | 26 | 69.0 | 45.0 | |
| 27 | 94.0 | 70.0 | | 27 | 73.0 | 48.0 | |
| 28 | 84.0 | 60.0 | | 28 | 78.0 | 50.0 | |
| 29 | 78.0 | 58.0 | | 29 | 78.0 | 54.0 | |
| 30 | 74.5 | 58.0 | | 30 | 67.5 | 49.0 | |
| | | | | 31 | 65.0 | 48.0 | |
| NOVEMBER. | | | | DECEMBER. | | | |
| 1 | 68.0 | 43.0 | | 1 | 49.0 | 37.0 | |
| 2 | 72.0 | 45.0 | | 2 | 63.0 | 42.0 | .57 |
| 3 | 65.0 | 48.0 | | 3 | 55.0 | 36.0 | .02 |
| 4 | 63.0 | 42.0 | | 4 | 57.0 | 40.0 | |
| 5 | 63.0 | 39.0 | | 5 | 58.0 | 40.0 | |
| 6 | 65.0 | 40.0 | | 6 | 53.5 | 38.0 | |
| 7 | 69.0 | 41.0 | | 7 | 48.0 | 31.0 | |
| 8 | 70.0 | 43.0 | | 8 | 51.0 | 33.0 | |
| 9 | 69.0 | 44.0 | | 9 | 54.5 | 41.0 | 1.21 |
| 10 | 70.0 | 45.0 | | 10 | 55.0 | 46.0 | .11 |
| 11 | 65.0 | 43.0 | | 11 | 60.0 | 39.0 | .36 |
| 12 | 66.0 | 45.0 | | 12 | 56.0 | 39.0 | .32 |
| 13 | 66.0 | 46.0 | | 13 | 55.0 | 30.0 | |
| 14 | 65.0 | 48.0 | | 14 | 50.0 | 31.0 | 1.54 |
| 15 | 65.0 | 49.0 | | 15 | 52.0 | 42.0 | .11 |
| 16 | 63.0 | 53.0 | .61 | 16 | 59.0 | 53.0 | .65 |
| 17 | 63.0 | 52.0 | .95 | 17 | 59.5 | 40.0 | .04 |
| 18 | 63.0 | 50.0 | 1.17 | 18 | 66.0 | 38.0 | |
| 19 | 65.0 | 47.0 | | 19 | 63.0 | 40.0 | |
| 20 | 67.0 | 8.0 | | 20 | 60.0 | 45.0 | |
| 21 | 67.5 | 8.0 | .74 | 21 | 59.0 | 45.0 | |
| 22 | 52.0 | 3.0 | | 22 | 57.0 | 48.0 | .06 |
| 23 | 59.0 | 7.0 | .35 | 23 | 57.0 | 44.0 | .64 |
| 24 | 61.0 | 39.0 | | 24 | 54.0 | 40.0 | |
| 25 | 56.0 | 40.0 | | 25 | 53.0 | 40.0 | .16 |
| 26 | 58.5 | 42.0 | .36 | 26 | 54.5 | 45.0 | |
| 27 | 60.5 | 41.0 | | 27 | 54.0 | 38.0 | |
| 28 | 56.0 | 30.0 | | 28 | 54.0 | 32.0 | |
| 29 | 52.5 | 29.0 | | 29 | 52.5 | 36.0 | |
| 30 | 56.5 | 33.0 | | 30 | 53.0 | 32.0 | |
| | | | | 31 | 53.5 | 31.0 | |

*September*—Average maximum, 95.2. Average minimum, 66.2. Rainfall, .30 of an inch.
*October*—Average maximum, 80.5. Average minimum, 52.7.
*November*—Average maximum, 63.0. Average minimum, 42.7. Rainfall, 4.18 inches.
*December*—Average maximum, 55.0. Average minimum, 39.1. Rainfall, 5.79 inches.

Average maximum for 1888, 74.4. Average minimum for 1888, 48.7. Total rainfall during 1888, 27.46 inches.

**Rainfall at Iowa Hill, Placer County.**—Record of rainfall kept by C. F. Macy, from January 1, 1879, to June 1, 1883, at Strawberry Flat, near Iowa Hill; altitude, 3,225 feet; and from June 1, 1883, to April 1, 1889, at Iowa Hill, Placer County; altitude, 2,825 feet above sea level:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1879 | 12.50 | 12.50 | 18.25 | 7.87 | 3.25 | .25 | | | | 3.50 | 3.63 | 13.35 | 75.10 | | |
| 1880 | 5.00 | 6.10 | 7.88 | 18.87 | 6.25 | | | | | .75 | .75 | 20.80 | 66.40 | 1879–80 | 64.58 |
| 1881 | 20.75 | 10.50 | 4.62 | 3.15 | .13 | 2.12 | | | 2.50 | 4.25 | 3.90 | 10.56 | 62.48 | 1880–81 | 63.87 |
| 1882 | 8.92 | 6.80 | 10.43 | 7.59 | 1.55 | .73 | | | .35 | 8.50 | 6.63 | 2.09 | 54.19 | 1881–82 | 57.23 |
| 1883 | 4.37 | 4.24 | 10.63 | 3.67 | 7.22 | | | | .75 | 4.54 | 2.02 | 3.75 | 41.19 | 1882–83 | 48.30 |
| 1884 | 8.05 | 11.26 | 16.50 | 13.22 | 1.60 | 2.52 | | | 1.60 | 2.43 | | 24.22 | 81.40 | 1883–84 | 64.21 |
| 1885 | 3.03 | 1.48 | .68 | 2.93 | .05 | 1.60 | | | 1.20 | | 15.82 | 6.14 | 32.93 | 1884–85 | 38.02 |
| 1886 | 10.89 | .68 | 6.46 | 12.19 | 1.87 | | | | | 2.28 | .80 | 5.75 | 40.92 | 1885–86 | 55.25 |
| 1887 | 3.61 | 15.61 | 2.23 | 6.55 | .78 | .07 | | .05 | .48 | | .95 | 6.52 | 36.85 | 1886–87 | 37.68 |
| 1888 | 11.73 | 2.41 | 4.59 | 1.47 | 1.14 | 2.60 | .06 | | .35 | | 3.78 | 8.14 | 36.27 | 1887–88 | 32.00 |
| 1889 | .58 | .71 | 12.12 | 4.20 | | | | | | | | | | 1888–89 | *29.88 |

* Up to May 1, 1889.

**Weather at Iowa Hill for 1888.**—Summary of the weather record kept by C. F. Macy, at Iowa Hill, Placer County, for the year 1888:

| Month. | Clear Days. | Fair Days. | Cloudy Days. | Rainy Days. | Rainfall—Inches. | Highest Temperature. | | | Lowest Temperature. | | | Mean Temperature. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 7 A. M. | 2 P. M. | 9 P. M. | 7 A. M. | 2 P. M. | 9 P. M. | 7 A. M. | 2 P. M. | 9 P. M. |
| January | 9 | 6 | 16 | 14 | 11.73 | 50 | | | 12 | | | 34.74 | | |
| February | 16 | 6 | 7 | 5 | 2.41 | 53 | 74 | 59 | 28 | 46 | 33 | 43.10 | 59.80 | 46.80 |
| March | 15 | 6 | 10 | 9 | 4.59 | 56 | 74 | 58 | 31 | 36 | 33 | 43.77 | 57.51 | 46.35 |
| April | 22 | 3 | 5 | 3 | 1.47 | 65 | 87 | 68 | 40 | 52 | 42 | 54.86 | 73.13 | 57.90 |
| May | 19 | 6 | 6 | 3 | 1.14 | 68 | 86 | 70 | 46 | 56 | 46 | 56.50 | 72.20 | 57.93 |
| June | 13 | 5 | 12 | 7 | 2.60 | 71 | 87 | 72 | 49 | 55 | 47 | 59.86 | 73.13 | 60.86 |
| July | 23 | 6 | 2 | 1 | .06 | 81 | 99 | 83 | 56 | 69 | 55 | 71.09 | 81.09 | 71.09 |
| August | 26 | 1 | 4 | | | 81 | 102 | 82 | 60 | 80 | 60 | 72.00 | 92.80 | 74.05 |
| September | 20 | 3 | 7 | 2 | .35 | 82 | 102 | 84 | 61 | 68 | 62 | 71.93 | 91.06 | 72.93 |
| October | 25 | 2 | 4 | | | 67 | 90 | 70 | 46 | 64 | 49 | 58.26 | 78.22 | 60.93 |
| November | 15 | 4 | 11 | 8 | 3.78 | 54 | 74 | 57 | 38 | 54 | 42 | 47.40 | 63.40 | 49.67 |
| December | 5 | 7 | 19 | 14 | 8.14 | 54 | 69 | 55 | 36 | 45 | 38 | 44.10 | 55.13 | 46.35 |
| Totals | 208 | 55 | 103 | 66 | 36.27 | | | | | | | | | |

**Georgetown, El Dorado County.**—The rainfall at Georgetown, El Dorado County, was furnished by C. M. Fitzgerald, of the California Water and Mining Company, and extends from November, 1872, to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872 | | | | | | | | | | | 4.30 | 18.72 | | | |
| 1873 | 4.08 | 13.05 | 3.05 | 3.11 | .12 | none | .03 | none | none | .61 | .55 | 16.60 | 41.20 | 1872–73 | 46.43 |
| 1874 | 16.66 | 8.03 | 13.87 | 5.80 | 1.32 | .20 | none | none | none | 3.86 | 14.60 | 1.24 | 65.58 | 1873–74 | 63.07 |
| 1875 | 17.87 | .04 | 5.07 | .31 | 2.03 | 2.06 | none | none | none | 1.90 | 24.12 | 10.85 | 64.25 | 1874–75 | 46.31 |
| 1876 | 13.09 | 9.97 | 14.54 | 4.78 | 1.22 | none | .77 | none | none | 11.47 | .80 | none | 56.64 | 1875–76 | 81.24 |
| 1877 | 12.44 | 2.14 | 7.78 | 1.74 | 3.87 | .24 | none | none | none | 1.03 | 4.30 | 1.97 | 35.51 | 1876–77 | 41.25 |
| 1878 | 16.21 | 22.78 | 10.92 | 2.99 | .99 | .12 | none | none | .66 | 2.56 | 2.66 | .48 | 60.37 | 1877–78 | 61.31 |
| 1879 | 11.24 | 12.41 | 17.57 | 9.65 | 3.39 | .34 | none | none | none | 3.85 | 6.25 | 11.73 | 76.43 | 1878–79 | 60.96 |
| 1880 | 5.47 | 6.00 | 5.50 | 25.63 | 5.97 | none | none | none | none | .18 | .37 | 22.67 | 71.79 | 1879–80 | 70.40 |
| 1881 | 20.83 | 12.85 | 3.84 | 2.40 | .40 | 2.28 | none | none | 2.02 | 4.23 | 3.30 | 10.32 | 62.47 | 1880–81 | 65.82 |
| 1882 | 8.59 | 5.88 | 10.44 | 7.11 | 2.06 | .18 | none | none | .16 | 7.75 | 7.00 | 3.31 | 52.48 | 1881–82 | 54.13 |
| 1883 | 4.70 | 3.08 | 8.73 | 3.87 | 7.34 | none | none | none | 1.60 | 4.10 | 1.94 | 3.50 | 38.86 | 1882–83 | 45.94 |
| 1884 | 7.53 | 13.80 | 19.94 | 15.07 | 1.52 | 3.65 | none | .01 | .80 | 3.54 | .03 | 33.73 | 99.62 | 1883–84 | 72.65 |
| 1885 | 4.37 | .82 | .24 | 3.98 | .19 | 2.28 | .03 | none | 1.16 | none | 20.77 | 7.03 | 40.87 | 1884–85 | 49.99 |
| 1886 | 18.32 | 1.16 | 7.75 | 15.04 | 1.76 | .06 | none | none | none | 3.43 | 1.79 | 6.90 | 56.21 | 1885–86 | 73.08 |
| 1887 | 3.36 | 15.79 | 2.40 | 6.54 | .93 | .18 | none | none | .53 | none | 1.44 | 7.66 | 38.83 | 1886–87 | 42.12 |
| 1888 | 12.59 | 2.79 | 5.47 | 1.05 | .38 | 1.56 | .04 | none | .41 | none | 4.67 | 7.99 | 36.95 | 1887–88 | 23.85 |
| 1889 | .66 | .68 | 12.29 | 2.77 | | | | | | | | | | 1888–89 | *29.51 |
| Totals | 178.01 | 131.27 | 149.40 | 111.84 | 33.49 | 13.15 | .87 | .01 | 7.34 | 48.51 | 98.89 | 164.70 | 898.06 | | 899.05 |
| Averages | 10.471 | 7.722 | 8.788 | 6.579 | 2.093 | .822 | .054 | .001 | .459 | 3.032 | 5.817 | 9.688 | 56.129 | | 56.190 |

*Up to May 1, 1889.

## Weather Summary at Georgetown.

By C. M. Fitzgerald, Observer.

*Summary for April, 1888.*

| | |
|---|---|
| Monthly mean temperature | 54.7 |
| Mean maximum temperature | 64.1 |
| Mean minimum temperature | 45.4 |
| Mean of the maximum and minimum temperature | 54.7 |
| Highest thermometer | 77.8 |
| Lowest temperature | 34.0 |
| Total number of clear days | 16 |
| Total number of fair days | 4 |
| Total number of cloudy days | 10 |
| Total number of foggy days | Part of one day. |
| Total number of days rain fell | 8 |
| Total rainfall | 2.77 |
| Hail fell | On thirteenth, at 2 and 4 P. M. |

*Summary for May, 1888.*

| | |
|---|---|
| Mean maximum temperature | 69.5 |
| Mean minimum temperature | 47.2 |
| Mean of maximum and minimum temperature | 58.3 |
| Highest thermometer | 82.0 |
| Lowest temperature | 39.5 |
| Total number of clear days | 22 |
| Total number of fair days | 3 |
| Total number of cloudy days | 6 |
| Total number of days rain fell | 5 |
| Total rainfall | .38 |
| First early cherries ripe | May sixth. |
| First strawberries | May tenth. |

*Summary for June, 1888.*

| | |
|---|---|
| Mean maximum temperature | 75.0 |
| Mean minimum temperature | 51.7 |
| Mean of the maximum and minimum temperature | 63.3 |
| Highest thermometer | 90.5 |
| Lowest temperature | 41.0 |
| Total number of clear days | 16 |
| Total number of fair days | 6 |
| Total number of cloudy days | 8 |
| Total number of days rain fell | 5 |
| Total rainfall | 1.56 |

Brilliant solar halos—eighth, eleventh, fourteenth, and twenty-third.

*Summary for July, 1888.*

| | |
|---|---|
| Mean maximum temperature | 89.6 |
| Mean minimum temperature | 61.9 |
| Mean of the maximum and minimum temperature | 75.7 |
| Highest thermometer | 98.7 |
| Lowest temperature | 45.5 |
| Total number of clear days | 29 |
| Total number of fair days | 1 |
| Total number of cloudy days | 1 |
| Total number of days rain fell | 1 |
| Total rainfall | .04 |

*Summary for September, 1888.*

| | |
|---|---|
| Mean maximum temperature | 80.0 |
| Highest thermometer | 100.5 |
| Total number of clear days | 28 |
| Total number of cloudy days | 2 |
| Total number of days rain fell | 1 |
| Total rainfall | .41 |

*Summary for October, 1888.*

| | |
|---|---|
| Mean maximum temperature | 74.3 |
| Mean minimum temperature | 50.2 |
| Mean of the maximum and minimum temperature | 62.2 |
| Highest thermometer | 84.0 |
| Lowest temperature | 43.7 |
| Total number of clear days | 26 |

| | |
|---|---|
| Total number of fair days | 4 |
| Total number of cloudy days | 1 |
| Total rainfall | Sprinkle. |
| Total number of light frosts | 2 |

Light sprinkle, inappreciable, on the twenty-fifth. First frost, very light, on the morning of the seventh; second frost, light, on the morning of the twenty-sixth. High wind from N.E. during night of seventeenth and following day.

*Summary for November, 1888.*

| | |
|---|---|
| Mean maximum temperature | 61.3 |
| Mean minimum temperature | 42.3 |
| Mean of the maximum and minimum temperature | 51.8 |
| Highest thermometer | 72.0 |
| Lowest temperature | 34.0 |
| Total number of clear days | 15 |
| Total number of fair days | 8 |
| Total number of cloudy days | 7 |
| Total number of days rain fell | 7 |
| Total rainfall | 4.67 |
| Total number of heavy frosts | 1 |

First heavy or killing frost occurred on morning of November twenty-first. Eggshell ice formed where water stood on boards. Lunar halo.

*Summary for December, 1888.*

| | |
|---|---|
| Mean maximum temperature | 54.5 |
| Mean minimum temperature | 39.1 |
| Mean of the maximum and minimum temperature | 46.8 |
| Highest thermometer | 68.0 |
| Lowest temperature | 31.5 |
| Total number of clear days | 11 |
| Total number of fair days | 6 |
| Total number of cloudy days | 14 |
| Total number of days rain fell | 13 |
| Total rainfall | 7.99 |

A little fog for a few hours on second and eleventh, on both days in afternoon. Lunar halo on twelfth, also on sixteenth. Hail fell at 4 P. M. of twenty-seventh.

*Summary for January, 1889.*

| | |
|---|---|
| Mean maximum temperature | 52.7 |
| Mean minimum temperature | 33.5 |
| Mean of the maximum and minimum temperature | 43.1 |
| Highest thermometer | 61.5 |
| Lowest temperature | 25.0 |
| Total number of clear days | 20 |
| Total number of fair days | 5 |
| Total number of cloudy days | 6 |
| Total number of days rain fell | 5 |
| Total rainfall | .66 |

First snow thus far of the season fell on evening of seventeenth; just covered the ground; in the morning was about all gone.

*Summary for February, 1889.*

| | |
|---|---|
| Mean minimum temperature | 37.2 |
| Lowest temperature | 24.0 |
| Total number of clear days | 21 |
| Total number of fair days | 2 |
| Total number of cloudy days | 5 |
| Total number of days rain fell | 3 |
| Total rainfall | .68 |

*Summary for March, 1889.*

| | |
|---|---|
| Mean minimum temperature | 41.4 |
| Lowest temperature | 32.0 |
| Total number of clear days | 15 |
| Total number of fair days | 4 |
| Total number of cloudy days | 12 |
| Total number of days rain fell | 12 |
| Total rainfall | 12.29 |

**Placerville, El Dorado County.**—The rainfall record at Placerville, El Dorado County, from October, 1879, to December, 1887, was furnished by Samuel Hale, Superintendent of the El Dorado Water and Deep Gravel Mining Company. After which time by Mr. Richard Rowland, Superintendent. Records were also kept from February, 1874, to February, 1877. The total for those years was, for eleven months in 1874, 33.23 inches; 1875, 44.84 inches; 1876, 39.21 inches; January and February, 1877, gave 11.05 inches:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1879 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.47 | 5.28 | 7.53 | ..... | 1879–80 | 52.60 |
| 1880 | 4.38 | 5.81 | 4.66 | 17.52 | 3.95 | none | none | none | none | .35 | .58 | 16.94 | 54.19 | 1880–81 | 48.04 |
| 1881 | 15.53 | 7.01 | 3.38 | 2.36 | sprin. | 1.89 | sprin. | none | 1.08 | 2.80 | 2.87 | 7.70 | 44.62 | 1881–82 | 42.46 |
| 1882 | 6.71 | 5.15 | 9.30 | 5.53 | 1.19 | .13 | sprin. | none | .93 | 5.72 | 4.94 | 1.98 | 41.58 | 1882–83 | 36.56 |
| 1883 | 3.74 | 2.58 | 6.88 | 3.54 | 6.25 | none | sprin. | none | 1.67 | 3.38 | 1.67 | 2.63 | 32.34 | 1883–84 | 57.36 |
| 1884 | 6.06 | 11.56 | 14.46 | 11.82 | 1.60 | 2.51 | sprin. | .03 | .85 | 2.47 | .10 | 22.65 | 74.11 | 1884–85 | 36.56 |
| 1885 | 4.15 | .97 | .33 | 3.32 | .27 | 1.42 | none | none | .55 | none | 15.97 | 5.22 | 32.20 | 1885–86 | 54.63 |
| 1886 | 13.03 | 1.15 | 5.22 | 11.75 | 1.24 | .50 | sprin. | none | none | 1.42 | .91 | 5.02 | 40.24 | 1886–87 | 33.32 |
| 1887 | 3.18 | 14.18 | 2.09 | 5.71 | .53 | .28 | none | none | .58 | .06 | 1.42 | 8.34 | 36.37 | 1887–88 | 31.83 |
| 1888 | 11.27 | 2.39 | 5.26 | 0.91 | 1.10 | .50 | 0.04 | sprin. | .88 | sprin. | 5.98 | 7.06 | 35.39 | 1888–89 | *25.63 |
| 1889 | 1.03 | .86 | 9.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

* Up to April 1, 1889.

**Rainfall at Vacaville, Solano County.**—The following table of rainfall was furnished by Mr. A. V. Stevenson, and shows a record of rainfall by months, years, and seasons, from 1880 to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1880 | 3.48 | 2.28 | 2.73 | 8.26 | 7.58 | 1.78 | none | none | none | none | .07 | 21.25 | 47.43 | 1879–80 | 36.81 |
| 1881 | 15.61 | 4.58 | 1.13 | 2.36 | none | none | none | none | none | .28 | 1.93 | 5.36 | 31.25 | 1880–81 | 45.00 |
| 1882 | 2.76 | 3.38 | 4.17 | 2.37 | .19 | none | none | none | 1.10 | 3.11 | 3.77 | 1.15 | 22.00 | 1881–82 | 20.44 |
| 1883 | 2.45 | 2.11 | 6.26 | 2.03 | 5.63 | none | none | none | none | 2.24 | .49 | 1.63 | 22.84 | 1882–83 | 27.61 |
| 1884 | 6.02 | 7.19 | 11.45 | 7.48 | .24 | none | none | none | .41 | 1.20 | none | 16.18 | 50.17 | 1883–84 | 36.74 |
| 1885 | 1.89 | .28 | .28 | 1.54 | none | none | none | none | none | .30 | 15.98 | 5.68 | 25.95 | 1884–85 | 21.78 |
| 1886 | 8.74 | .17 | 1.32 | 4.84 | .05 | none | none | none | none | .27 | .14 | 2.26 | 17.79 | 1885–86 | 37.08 |
| 1887 | 1.34 | 9.40 | 1.06 | 2.65 | none | none | none | none | .16 | none | 1.01 | 5.62 | 21.24 | 1886–87 | 17.12 |
| 1888 | 6.34 | .45 | 4.21 | .08 | .04 | .11 | none | none | .71 | none | 5.77 | 5.35 | 23.06 | 1887–88 | 18.02 |
| 1889 | .44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1888–89 | *12.27 |
| Totals | 49.07 | 29.84 | 32.61 | 31.61 | 13.73 | 1.89 | none | none | 2.38 | 7.40 | 29.16 | 64.48 | 261.73 | ..... | 260.60 |
| Averages | 4.907 | 3.316 | 3.622 | 3.512 | 1.526 | 0.210 | none | none | 0.264 | 0.822 | 3.240 | 7.164 | 29.081 | ..... | 28.956 |

*Up to February 1, 1889.

## Nicolaus, Sutter County.

Weather summary by months for 1888 at Nicolaus, Sutter County, furnished by Alvah Pendleton, Observer:

| | January. | | | | February. | | | |
|---|---|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1889. | 1886. | 1887. | 1888. | 1889. |
| Average temperature | 47.82 | 48.27 | 43.17 | 46.69 | 55.00 | 44.77 | 52.26 | 50.38 |
| Highest temperature | 69.00 | 71.00 | 65.00 | 74.00 | 74.00 | 71.00 | 79.00 | 78.00 |
| Lowest temperature | 31.00 | 30.00 | 18.00 | 29.00 | 38.00 | 32.00 | 34.00 | 31.00 |
| Monthly range of temperature | 38.00 | 41.00 | 47.00 | 45.00 | 36.00 | 39.00 | 45.00 | 47.00 |
| Greatest daily range | 24.00 | 35.00 | 28.00 | 39.00 | 25.00 | 35.00 | 33.00 | 38.00 |
| Least daily range | 2.00 | 4.00 | 3.00 | 6.00 | 2.00 | 2.00 | 5.00 | 7.00 |
| Average maximum temperature | 53.48 | 59.58 | 51.19 | 59.25 | 62.89 | 53.75 | 65.38 | 63.81 |
| Average minimum temperature | 43.35 | 39.83 | 37.61 | 36.19 | 48 21 | 38.75 | 44.00 | 39.85 |
| Mean daily range | 10.13 | 9.75 | 13.58 | 23.06 | 14.68 | 15.00 | 21.38 | 23.96 |
| Prevailing wind | S. | N. | N. | N. | N.W. | S. | N. | N.W. |
| Total precipitation | 5.32 | 1.12 | 4.97 | .14 | .49 | 6.75 | .70 | .30 |
| Total velocity of wind | | 3,563 | 3,969 | 3,133 | | 3,937 | 3,926 | 3,032 |
| Clear days | 15 | 17 | 9 | 19 | 20 | 9 | 20 | 13 |
| Fair days | 2 | 1 | 4 | 4 | 4 | 3 | 3 | 6 |
| Cloudy days | 14 | 11 | 18 | 8 | 4 | 16 | 5 | 9 |
| Days rain fell | 10 | 6 | 15 | 3 | 6 | 12 | 4 | 3 |
| Frosts | 10 | 13 | 10 | 18 | 1 | 9 | 7 | 6 |

| | March. | | | April. | | |
|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1886. | 1887. | 1888. |
| Average temperature | 52.45 | 59.56 | 57.49 | 56.58 | 60.71 | 65.30 |
| Highest temperature | 76.00 | 83.00 | 81.00 | 74.00 | 86.00 | 93.00 |
| Lowest temperature | 38.00 | 42.00 | 38.00 | 42.00 | 42.00 | 46.00 |
| Monthly range of temperature | 38.00 | 41.00 | 43.00 | 32.00 | 44.00 | 47.00 |
| Greatest daily range | 25.00 | 37.00 | 28.00 | 18.00 | 28.00 | 34.00 |
| Least daily range | 1.00 | 8.00 | 4.00 | 3.00 | 5.00 | 12.00 |
| Average maximum temperature | 59.93 | 72.12 | 67.51 | 63.56 | 71.43 | 79.76 |
| Average minimum temperature | 45.74 | 49.61 | 50.61 | 51.20 | 53.23 | 55.36 |
| Mean daily range | 14.19 | 22.51 | 16.90 | 12.36 | 18.20 | 24.40 |
| Prevailing wind | S.E. | S. | S. & N. | S.W. | S. & W. | S. |
| Total precipitation | 1.50 | .96 | 2.83 | 4.93 | 2.22 | .04 |
| Total velocity of wind | | 3,470 | 6,471 | | 4,669 | 3,180 |
| Clear days | 17 | 21 | 15 | 17 | 16 | 22 |
| Fair days | 5 | 2 | 2 | 2 | 4 | 3 |
| Cloudy days | 9 | 8 | 14 | 11 | 10 | 6 |
| Days rain fell | 12 | 4 | 8 | 12 | 8 | 1 |
| Frosts | 1 | 1 | 1 | 1 | 0 | 0 |

WEATHER AT NICOLAUS—Continued.

| | MAY. | | | JUNE. | | |
|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1886. | 1887. | 1888. |
| Average temperature | 64.07 | 65.50 | 64.71 | 75.39 | 72.45 | 68.89 |
| Highest temperature | 88.00 | 102.00 | 91.00 | 100.00 | 102.00 | 95.00 |
| Lowest temperature | 53.00 | 46.00 | 54.00 | 60.00 | 50.00 | 56.00 |
| Monthly range of temperature | 35.00 | 56.00 | 37.00 | 40.00 | 52.00 | 39.00 |
| Greatest daily range | 24.00 | 31.00 | 29.00 | 24.00 | 31.00 | 26.00 |
| Least daily range | 5.00 | 10.00 | 11.00 | 4.00 | 10.00 | 10.00 |
| Average maximum temperature | 73.61 | 76.45 | 77.41 | 86.00 | 83.63 | 81.00 |
| Average minimum temperature | 59.70 | 57.38 | 57.45 | 69.00 | 66.01 | 63.30 |
| Mean daily range | 13.91 | 19.07 | 19.96 | 17.00 | 17.62 | 17.70 |
| Prevailing wind | S.W. | S. | S. | N.W. | S.W. | S.W. |
| Total precipitation | .15 | .01 | .55 | .00 | 3.04 | .15 |
| Total velocity of wind | 3,461 | 4,509 | 4,883 | | 4,375 | 4,2[illegible]0 |
| Clear days | 25 | 19 | 9 | 30 | 25 | [illegible]5 |
| Fair days | 1 | 4 | 9 | 0 | 3 | [illegible]4 |
| Cloudy days | 5 | 10 | 13 | 0 | 2 | 11 |
| Days rain fell | 1 | 4 | 5 | 0 | 3 | 4 |
| Frosts | 0 | 1 | 0 | 0 | 1 | 0 |

| | JULY. | | | AUGUST. | | |
|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1886. | 1887. | 1888. |
| Average temperature | 79.79 | 75.04 | 75.52 | 78.02 | 72.40 | 76.52 |
| Highest temperature | 111.00 | 99.00 | 104.00 | 101.00 | 99.00 | 105.00 |
| Lowest temperature | 62.00 | 52.00 | 57.00 | 58.00 | 52.00 | 56.00 |
| Monthly range of temperature | 49.00 | 47.00 | 47.00 | 43.00 | 47.00 | 49.00 |
| Greatest daily range | 26.00 | 33.00 | 33.00 | 27.00 | 33.00 | 40.00 |
| Least daily range | 10.00 | 16.00 | 14.00 | 10.00 | 17.00 | 22.00 |
| Average maximum temperature | 88.53 | 90.00 | 90.60 | 91.80 | 87.93 | 96.32 |
| Average minimum temperature | 72.86 | 64.70 | 70.83 | 69.70 | 62.36 | 63.80 |
| Mean daily range | 15.67 | 25.30 | 19.77 | 22.10 | 25.57 | 32.52 |
| Prevailing wind | S.W. | S. | S. | S. | S. | S.&W. |
| Total precipitation | .00 | .00 | .03 | trace | .00 | sprin. |
| Total velocity of wind | | 4,738 | 4,556 | | 3,968 | 2,962 |
| Clear days | 31 | 27 | 26 | 29 | 24 | 29 |
| Fair days | 0 | 3 | 2 | 1 | 3 | 1 |
| Cloudy days | 0 | 1 | 3 | 1 | 4 | 1 |
| Days rain fell | 0 | 0 | 1 | 0 | 0 | 0 |
| Frosts | 0 | 0 | 0 | 0 | 0 | 0 |

WEATHER AT NICOLAUS—Continued.

| | SEPTEMBER. | | | OCTOBER. | | |
|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1886. | 1887. | 1888. |
| Average temperature | 72.21 | 70.91 | 75.57 | 60.00 | 68.60 | 65.62 |
| Highest temperature | 99.00 | 100.00 | 106.00 | 92.00 | 96.00 | 90.00 |
| Lowest temperature | 54.00 | 54.00 | 58.00 | 41.00 | 50.00 | 44.00 |
| Monthly range of temperature | 45.00 | 46.00 | 48.00 | 51.00 | 46.00 | 46.00 |
| Greatest daily range of temperature | 41.00 | 38.00 | 39.00 | 36.00 | 36.00 | 36.00 |
| Least daily range of temperature | 20.00 | 15.00 | 13.00 | 4.00 | 14.00 | 20.00 |
| Average maximum temperature | 88.73 | 87.01 | 92.70 | 74.48 | 85.01 | 82.38 |
| Average minimum temperature | 61.13 | 60.56 | 65.03 | 49.64 | 60.51 | 53.53 |
| Mean daily range of temperature | 27.60 | 26.45 | 27.67 | 24.84 | 24.50 | 28.85 |
| Prevailing wind | S.E. | S. | N. | N.W. | N. | S. |
| Total precipitation | .00 | .01 | .82 | .89 | .00 | .00 |
| Total velocity of wind | ------ | 3,031 | 3,180 | ------ | 3,488 | 4,360 |
| Clear days | 27 | 21 | 23 | 20 | 27 | 25 |
| Fair days | 1 | 2 | 4 | 4 | 2 | 4 |
| Cloudy days | 2 | 7 | 3 | 7 | 2 | 2 |
| Days rain fell | 0 | 3 | 2 | 4 | 0 | 0 |
| Frosts | 0 | 0 | 0 | 2 | 0 | 1 |

| | NOVEMBER. | | | DECEMBER. | | | |
|---|---|---|---|---|---|---|---|
| | 1886. | 1887. | 1888. | 1885. | 1886. | 1887. | 1888. |
| Average temperature | 52.95 | 54.30 | 53.04 | 50.77 | 50.00 | 48.91 | 49.93 |
| Highest temperature | 76.00 | 79.00 | 78.00 | 64.00 | 74.00 | 72.00 | 65.00 |
| Lowest temperature | 31.00 | 26.00 | 31.00 | 40.00 | 31.00 | 29.00 | 36.00 |
| Monthly range of temperature | 45.00 | 53.00 | 47.00 | 24.00 | 45.00 | 43.00 | 29.00 |
| Greatest daily range of temperature | 40.00 | 41.00 | 39.00 | 18.00 | 39.00 | 36.00 | 21.00 |
| Least daily range of temperature | 14.00 | 9.00 | 2.00 | 1.00 | 5.00 | 4.00 | 3.00 |
| Average maximum temperature | 66.96 | 69.53 | 66.06 | 54.03 | 61.01 | 61.74 | 59.25 |
| Average minimum temperature | 40.70 | 43.40 | 45.40 | 49.77 | 47.87 | 39.74 | 36.19 |
| Mean daily range of temperature | 26.26 | 26.13 | 20.66 | 4.26 | 13.14 | 22.00 | 23.06 |
| Prevailing wind | N. | N. | N. & S. | ------ | N.W. | N. | S. |
| Total precipitation | .04 | 1.00 | 3.27 | 5.03 | 1.99 | 3.02 | 5.25 |
| Total velocity of wind | ------ | 2,398 | 3,152 | ------ | ------ | 5,084 | 2,739 |
| Clear days | 20 | 18 | 10 | 20 | 13 | 10 | 3 |
| Fair days | 2 | 2 | 0 | 1 | 4 | 4 | 3 |
| Cloudy days | 8 | 10 | 20 | 10 | 14 | 17 | 25 |
| Days rain fell | 2 | 4 | 7 | 10 | 12 | 10 | 14 |
| Frosts | 1 | 6 | 4 | ------ | 3 | 12 | 7 |

**Rainfall at Grass Valley, Nevada County.**—The rainfall that goes to make up the following table for Nevada County was taken at Grass Valley, by Mr. Loutzenheiser, beginning with January, 1873, to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1873 | 4.01 | 12.50 | 1.39 | 2.32 | 2.56 | none | none | none | none | .83 | 2.90 | 19.01 | 45.61 | 1872–73 | 40.00 |
| 1874 | 13.71 | 6.93 | 11.71 | 3.76 | 1.05 | .10 | none | none | none | 2.95 | 15.91 | 1.08 | 57.20 | 1873–74 | 60.09 |
| 1875 | 15.56 | 1.39 | 4.14 | .29 | 1.18 | 2.28 | none | none | none | .97 | 16.99 | 7.44 | 50.24 | 1874–75 | 44.78 |
| 1876 | 12.01 | 10.75 | 12.47 | 2.80 | 1.23 | .65 | none | none | .06 | 8.72 | .62 | none | 49.31 | 1875–76 | 65.31 |
| 1877 | 16.18 | 2.44 | 4.79 | 1.14 | 1.40 | .74 | none | none | none | 1.21 | 3.78 | 1.74 | 27.42 | 1876–77 | 30.09 |
| 1878 | 15.74 | 17.76 | 10.18 | 2.78 | .59 | none | none | none | .68 | 2.09 | 2.54 | .75 | 53.11 | 1877–78 | 53.78 |
| 1879 | 10.72 | 11.51 | 18.07 | 7.08 | 3.08 | .30 | none | .08 | none | 2.79 | 6.54 | 8.86 | 69.03 | 1878–79 | 56.82 |
| 1880 | 6.40 | 4.83 | 4.07 | 23.31 | 6.23 | .09 | none | none | none | .04 | .30 | 22.69 | 67.96 | 1879–80 | 63.20 |
| 1881 | 19.20 | 8.50 | 3.33 | 1.85 | .05 | 1.50 | none | none | 1.25 | 3.71 | 3.52 | 8.21 | 51.12 | 1880–81 | 57.46 |
| 1882 | 6.03 | 6.30 | 7.96 | 5.29 | 1.18 | .05 | none | none | 1.88 | 7.88 | 4.78 | 2.83 | 44.61 | 1881–82 | 43.93 |
| 1883 | 3.05 | 2.97 | 9.25 | 2.38 | 5.77 | none | none | none | 1.44 | 3.03 | 1.48 | 2.31 | 31.68 | 1882–83 | 40.79 |
| 1884 | 7.80 | 10.27 | 13.98 | 10.98 | 1.00 | 2.30 | none | none | .98 | 3.30 | .05 | 28.39 | 79.05 | 1883–84 | 54.59 |
| 1885 | 3.05 | 1.76 | .83 | 3.17 | .16 | .90 | none | none | 2.65 | none | 19.27 | 6.36 | 38.75 | 1884–85 | 43.19 |
| 1886 | 12.40 | 1.43 | 4.83 | 11.38 | 1.09 | none | none | none | none | 1.66 | .67 | 5.46 | 38.92 | 1885–86 | 59.41 |
| 1887 | 3.38 | 15.72 | 1.69 | 6.54 | .64 | .52 | none | none | .26 | none | 1.38 | 6.85 | 36.98 | 1886–87 | 36.28 |
| 1888 | 11.81 | 2.59 | 5.22 | .50 | .38 | 2.21 | .06 | none | .50 | none | 4.03 | 7.94 | 35.24 | 1887–88 | 31.20 |
| 1889 | .58 | .97 | 11.93 | 3.56 | | | | | | | | | | 1888–89 | *28.60 |
| Totals | 157.23 | 118.62 | 125.84 | 89.11 | 27.59 | 12.09 | .06 | .08 | 9.70 | 39.18 | 84.85 | 129.92 | 776.23 | | 780.92 |
| Averages | 9.249 | 6.978 | 7.402 | 5.242 | 1.724 | .756 | .004 | .005 | .606 | 2.449 | 5.303 | 8.120 | 48.514 | | 48.808 |

*Up to May 1, 1889.

**West Butte, Sutter County.**—The report of rainfall at West Butte, Sutter County, was furnished by A. S. Noyes, and covers a period from November, 1879, to date:

| Year. | January | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1879 | | | | | | | | | | | 2.38 | 2.25 | | 1879–80 | 13.25 |
| 1880 | .62 | .75 | .75 | 5.88 | .62 | none | none | none | none | none | none | 5.38 | 14.00 | 1880–81 | 12.20 |
| 1881 | 3.69 | 1.38 | .75 | 1.06 | none | none | none | none | .31 | 1.12 | .38 | 2.00 | 10.63 | 1881–82 | 12.26 |
| 1882 | 1.88 | 2.31 | 2.57 | 1.19 | .50 | none | none | none | ·25 | .88 | 2.62 | .25 | 12.45 | 1882–83 | 12.44 |
| 1883 | .75 | .19 | 3.06 | .88 | 3.56 | none | none | none | .62 | .81 | none | .19 | 10.06 | 1883–84 | 19.80 |
| 1884 | 3.81 | 2.12 | 6.50 | 3.75 | .25 | 1.75 | none | none | .57 | 1.00 | none | 4.94 | 24.69 | 1884–85 | 12.13 |
| 1885 | 2.00 | .50 | .37 | 2.12 | .18 | .45 | none | none | .18 | .56 | 7.45 | 3.65 | 17.46 | 1885–86 | 23.10 |
| 1886 | 4.75 | .70 | 1.50 | 4.19 | .12 | none | none | none | none | .50 | .44 | .67 | 12.87 | 1886–87 | 11.19 |
| 1887 | .50 | 6.06 | .82 | 2.20 | none | none | none | none | none | none | .75 | 1.50 | 11.83 | 1887–88 | 10.55 |
| 1888 | 3.55 | 1.12 | 2.67 | .30 | .36 | .30 | none | none | .75 | none | 3.25 | 6.00 | 18.30 | 1888–89 | *11.11 |
| 1889 | .12 | .36 | 5.78 | .63 | | | | | | | | | | | |
| Totals | 21.67 | 15.49 | 24.77 | 22.20 | 5.59 | 2.50 | none | none | 2.68 | 4.87 | 17.27 | 26.83 | 132.29 | | 126.92 |
| Averages | 2.167 | 1.549 | 2.477 | 2.220 | .621 | .278 | none | none | .298 | .541 | 1.727 | 2.683 | 14.699 | | 14.102 |

* Up to May 1, 1889.

## Temperature and Rainfall at Wheatland for the Year 1888.

| Month. | Highest Temperature. | Lowest Temperature. | Mean Temperature. | Rainfall, in Inches. |
|---|---|---|---|---|
| January | 64 | 19 | 42.9 | 4.13 |
| February | 78 | 33 | 52.3 | 1.06 |
| March | 77 | 37 | 53.7 | 2.42 |
| April | 91 | 42 | 63.9 | 0.16 |
| May | 92 | 49 | 64.7 | 0.38 |
| June | 93 | 49 | 69.2 | 0.35 |
| July | 106 | 52 | 75.7 | 0.02 |
| August | 107 | 53 | 78.8 | 0.00 |
| September | 109 | 53 | 77.0 | 0.32 |
| October | 90 | 42 | 66.1 | 0.00 |
| November | 77 | 32 | 53.4 | 2.69 |
| December | 60 | 35 | 48.1 | 5.06 |
| Sums | 1,044 | 496 | 745.8 | 16.59 |
| Means | 87 | 41.3 | 62.1 | |

## Marysville Weather for 1888, and January, February, March, and April, 1889.

[From the "Marysville Appeal."]

The weather record for Marysville, in 1888, is remarkable for exceptional cold in the month of January, and an unusually high degree of heat in the months of August and September. The past year had the coldest winter and the warmest summer of any year in the history of the place, so far as any record exists. The "Appeal" has taken pains to note and publish, from day to day, the extremes of temperature and other weather observations, and these have all been carefully tabulated, from month to month, so that the paper is now enabled, for the first time, to present a complete annual abstract.

One of the peculiarities of the past year was that April was warmer than May, the average temperature for the latter month falling one tenth of a degree below that for April. Usually, May is considerably warmer than its predecessor.

*Summary for the Year 1888.*

| Month. | Highest Temperature. | Lowest Temperature. | Average Maximum. | Average Minimum. | Monthly Mean. | Clear Days. | Fair Days. | Cloudy Days. | Rain—Inches. |
|---|---|---|---|---|---|---|---|---|---|
| January | 67 | 18 | 49.7 | 35.3 | 42.5 | 15 | 6 | 10 | 6.03 |
| February | 76 | 33 | 64.6 | 42.3 | 53.4 | 25 | 1 | 3 | 1.29 |
| March | 81 | 35 | 69.0 | 43.2 | 56.1 | 20 | 2 | 9 | 3.47 |
| April | 93 | 40 | 82.3 | 52.3 | 67.3 | 27 | 1 | 2 | .09 |
| May | 92 | 44 | 81.7 | 52.7 | 67.2 | 14 | 2 | 5 | .47 |
| June | 99 | 52 | 86.0 | 58.0 | 72.0 | 22 | 3 | 5 | .34 |
| July | 101 | 55 | 90.7 | 62.1 | 76.4 | 31 | 0 | 0 | ------ |
| August | 104 | 56 | 94.5 | 66.1 | 80.3 | 29 | 2 | 0 | ------ |
| September | 102 | 60 | 91.3 | 65.3 | 78.3 | 28 | 0 | 2 | .43 |
| October | 88 | 43 | 0.0 | 53.8 | 69.1 | 27 | 4 | 0 | ------ |
| November | 72 | 36 | 63.0 | 44.8 | 55.7 | 18 | 5 | 7 | 4.66 |
| December | 64 | 36 | 56.0 | 44.6 | 50.3 | 6 | 6 | 19 | 6.63 |
| Totals | ------ | ------ | ------ | ------ | ------ | 272 | 32 | 62 | 23.46 |

The mean or average temperature for the year, was 63.9°.

The lowest temperature was 18° above zero, recorded on January fourteenth.

The highest temperature was 104°, recorded on August twenty-second.

There were fourteen dates on which the temperature fell to the freezing point or below. These were all in the month of January.

There were 68 days in which the temperature reached a maximum over 90°. Of these April had 3, May 3, June 7, July 16, August 24, and September 15.

| | |
|---|---|
| Average winter temperature (December, 1877, January and February, 1888) | 47.1° |
| Average spring temperature (March, April, May) | 63.5° |
| Average summer temperature (June, July, August) | 76.2° |
| Average fall temperature (September, October, November) | 67.0° |
| Winter rainfall (1887-88) | 10.68 inches. |
| Spring rainfall | 4.03 inches. |
| Summer rainfall | 0.34 inch. |
| Autumn rainfall | 5.14 inches. |
| Total rainfall for season of twelve months, ending June 30, 1888 | 16.33 inches. |

Despite the fact that the past winter was the coldest on record here, its average temperature compares favorably with that of Nice, France, which is one of the most favored winter resorts on the Mediterranean. The average winter temperature at Nice is 47.8°, while that of Marysville last winter was 47.1°. Our average spring temperature in 1888 was 63.5°, while the average of that season at Nice is but 56°. The comparison could be extended to many other famous foreign resorts, with credit to Marysville.

One of the great advantages disclosed by the local record is the remarkable number of clear days, which is characteristic of our climate. The total number of clear days in Marysville last year (272), is far above the annual average at any of the noted European health resorts, or any locality near the coast of Southern California. The days classed as "fair," it should be understood, may be considered as fine days, being but partially cloudy.

The total number of days last year on which rain fell, was 58, distributed as follows: January, 13; February, 4; March, 8; April, 2; May, 2; June, 5; July, 1; September, 1; November, 8; December, 14.

The readings of temperature from which the record is made up, are taken from an accurate self-registering instrument, exposed in conformity with Signal Service rules.

*Summary for January, 1889.*

| | |
|---|---|
| Average maximum temperature | 55.4 |
| Average minimum temperature | 36.6 |
| Average for month, temperature | 46.0 |
| Highest temperature | 63.0 |
| Lowest temperature | 31.0 |
| Rainfall, inches | 0.13 |
| Number of clear days | 22 |
| Number of fair days | 3 |
| Number of cloudy days | 6 |

*Summary for February, 1889.*

| | |
|---|---|
| Average 28 maximum readings | 60.2 |
| Average 28 minimum readings | 39.8 |
| Average for month, temperature | 50.0 |
| Highest temperature | 75.0 |
| Lowest temperature | 31.0 |
| Rainfall, inches | 0.36 |
| Number of clear days | 15 |
| Number of fair days | 12 |
| Number of cloudy days | 1 |

*Summary for March, 1889.*

| | |
|---|---|
| Average 31 maximum readings | 69.7 |
| Average 31 minimum readings | 48.2 |
| Average for month, temperature | 58.9 |
| Highest temperature | 90.0 |
| Lowest temperature | 41.0 |
| Rainfall, inches | 8.25 |
| Number of clear days | 16 |
| Number of fair days | 6 |
| Number of cloudy days | 9 |

*Summary for April, 1889.*

| | |
|---|---|
| Average 30 maximum readings | 74.5 |
| Average 30 minimum readings | 52.5 |
| Average temperature for month | 63.5 |
| Highest temperature | 83.0 |
| Lowest temperature | 42.0 |
| Rainfall, inches | 1.18 |
| Number of clear days | 19 |
| Number of fair days | 5 |
| Number of cloudy days | 6 |

## Climate of Yuba and Sutter Counties Compared with the Eastern and that of Southern California.

[From the "Marysville Appeal."]

The climate, etc., of both Yuba and Sutter Counties, as well as of all other portions of this great and prosperous State, have been written up so fully and frequently of late that it is rather hard to produce anything that will be new in the way of comparative meteorology. The mean monthly average temperature for the counties named above, as deduced from observations of the railroad company for a number of years at Marysville, and of Mr. Lumbard of Wheatland, as well as the record of Alvah Pendleton of Nicolaus, will be compared with eastern points as obtained from the Chief Signal Officer's annual report. By these comparisons we find the mean average temperature of Yuba and Sutter Counties for December to be equivalent to spring in Philadelphia; the Atlantic Coast of Virginia; Pittsburgh, Pennsylvania; Columbus, Ohio; Keokuk, Iowa; and Arizona; also Paris and Cannes, in France; and the same as December in Naples and Rome, in Italy.

For January the mean average temperature is equivalent to spring in New York City, northern Ohio, central Iowa, and southern Colorado.

For February the mean average temperature is equivalent to autumn in Boston, Massachusetts; Albany, Buffalo, and Oswego, New York; Detroit, Michigan; Chicago; central Iowa; Omaha, Nebraska; southern Colorado; and Cannes, France.

The mean average winter temperatures for Yuba and Sutter Counties are equivalent to April in Philadelphia; the Atlantic Coast of Virginia and northern Ohio; central Iowa; Omaha, Nebraska; and Paris, France; and also equivalent to May in Rhode Island and the Upper Lake region, and the eastern slope of the Rocky Mountains, north of Cheyenne, Wyoming Territory.

The average winter temperatures for Yuba and Sutter Counties are higher than those of Naples, Mentone, San Remo, Rome, Pisa, Genoa, Nice, and Florence, Italy; and Toulon, Marseilles, and Cannes, France.

The average winter temperatures of the two counties above named, as compared with places in the southern portion of the United States, are the same as Montgomery, Alabama; Vicksburg, Mississippi; and warmer than the winters in North Carolina; Augusta and Atlanta, Georgia; Shrevesport,

Louisiana; Little Rock, Arkansas; any portion of Tennessee, and the greater portion of Texas and Arizona.

The above shows plainly and conclusively what all Sacramento Valley people know, and that is our winters are equivalent to spring in the Eastern States and as far south as Richmond, Virginia.

In the comparisons of the mean temperature by seasons with Marysville, Los Angeles, and Riverside, the figures make the average winter temperature the same at Marysville as Riverside, 50°; Los Angeles, 54°. Mean spring temperature: Riverside, 67°; Los Angeles, 58°; and Marysville, 63°. Mean summer temperature: Riverside, 74°; Los Angeles, 68°; and Marysville, 78°. Mean fall temperature: Riverside, 66°; Los Angeles, 63°; and Marysville, 66°.

The average winter and fall temperature is the same in Marysville as at Riverside, while the mean spring temperature is higher at Riverside by 4° than at Marysville, but Marysville is 5° warmer during the spring than is Los Angeles.

The average summer temperature, of course, is warmer in Sutter and Yuba Counties than in Los Angeles and Riverside, being 4° warmer than Riverside and 10° warmer than Los Angeles. Notwithstanding the great difference between the average summer temperature of Marysville and Los Angeles, the latter place has as high a temperature (maximum) as Marysville. In fact, Los Angeles can boast of a maximum temperature of 99° and over for every month from March to October, as the following figures will show, both being railroad maximum figures:

Los Angeles: March, 106°; April, 99°; May, 104°; June, 112°; July, 100°; August, 106°; September, 106°; October, 100°.

Marysville: March, 86°; April, 91°; May, 102°; June, 108°; July, 106°; August, 106°; September, 107°; October, 98°.

The lowest minimum temperatures from 1874 to 1885 (inclusive) for both places, by the railroad reports, were 24° at Marysville and 28° at Los Angeles.

The average number of clear days in winter at Los Angeles is 47, as against 38 in Marysville; spring, Los Angeles 35, Marysville 49; summer, Los Angeles 37, Marysville 85; fall, Los Angeles 55, Marysville 69.

Oranges color here in the fall before they do at Los Angeles, because we have a warmer average temperature for autumn, and an average of 14 more clear sunshiny days than does Los Angeles.

It has been said by Los Angeles people that Sacramento has hotter nights during summer than they. The Chief Signal Officer's annual report for 1887 gives the average (4 A. M.) temperature for nine years, and from that record the following comparisons with Sacramento are made:

| Month. | Los Angeles, 4 A. M. | Sacramento, 4 A. M. |
|---|---|---|
| May | 54 | 55 |
| June | 58 | 59 |
| July | 60 | 61 |
| August | 61 | 60 |
| September | 58 | 58 |

Highest temperature, Signal Service records:

| Month. | Los Angeles. | Sacramento. |
|---|---|---|
| May | 100 | 98 |
| June | 104 | 102 |
| July | 99 | 105 |
| August | 106 | 108 |
| September | 108 | 106 |
| October | 102 | 98 |

Los Angeles temperature has reached 100° in May and 102° in October, something the records do not show for Sacramento. The average summer temperature at 4 A. M. for Sacramento is 60°—exactly the same as at Los Angeles. The average summer temperature at 12 M. is 81° at Sacramento and 79° at Los Angeles. The average temperature at 7 P. M. is 72° at Sacramento and 66° at Los Angeles. This is an excellent showing for the capital city. Although the last named place is warmer during the evening, on an average, than Los Angeles, Sacramento is just as cool in the morning as is the southern metropolis.

From these comparisons it is self evident that the Sacramento Valley, as judged by the records at Sacramento and those at Los Angeles, is as pleasant during the summer as at the latter city.

The average rainfall for Sutter and Yuba Counties is twenty inches, which is somewhat above Los Angeles, and very much above Riverside and Colton.

The average summer temperature at Colton is the same as at Marysville (78°), while the average autumn temperature is 1° less at Colton than Marysville. The highest temperature ever recorded at Colton was 116°, and the lowest 20°, while at Marysville the highest temperature was 108° and the lowest 20°—all railroad figures.

This does not look as though the climate around Marysville was colder in winter and hotter in summer than that of the country around Colton, and as the latter is within a few miles of Riverside, the comparisons should be somewhat similar, if a record for the same length of time could be obtained from Riverside by railroad figures. Below will be found the time of planting and maturing of staple products of Yuba and Sutter Counties:

| Kind. | Planting. | Maturing. |
|---|---|---|
| Wheat | December and January | June. |
| Barley | December and January | June and July. |
| Oats | January and February | June and July. |
| Corn | February and March | June to August. |
| Beans | February and March | May to July. |
| Peas | February and March | April to June. |
| Tomatoes | February and March | May to July. |

**Rainfall at Colusa, Colusa County.**—The rainfall, etc., from Colusa was furnished by J. D. McNary. The table gives the rainfall by seasons from 1872–73 to date, and by months from 1881 to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872 | | | | | | | | | | | | | | | |
| 1873 | | | | | | | | | | | | | | 1872–73 | 33.46 |
| 1874 | | | | | | | | | | | | | | 1873–74 | 11.28 |
| 1875 | | | | | | | | | | | | | | 1874–75 | 19.02 |
| 1876 | | | | | | | | | | | | | | 1875–76 | 19.79 |
| 1877 | | | | | | | | | | | | | | 1876–77 | 9.20 |
| 1878 | | | | | | | | | | | | | | 1877–78 | 33.34 |
| 1879 | | | | | | | | | | | | | | 1878–79 | 13.98 |
| 1880 | | | | | | | | | | | | | | 1879–80 | 19.21 |
| 1881 | 3.70 | 2.27 | .60 | 1.42 | .34 | none | none | none | 1.19 | none | .43 | 2.51 | 12.46 | 1880–81 | 16.96 |
| 1882 | 1.51 | 2.56 | 2.50 | 1.27 | .04 | .65 | none | none | .23 | 1.19 | 1.73 | .69 | 12.37 | 1881–82 | 22.62 |
| 1883 | 1.07 | .37 | 2.36 | .79 | 3.23 | none | none | none | .68 | .68 | .11 | .10 | 9.39 | 1882–83 | 11.66 |
| 1884 | 4.82 | 2.30 | 5.70 | 2.97 | .12 | 2.88 | none | none | .59 | 1.06 | none | 5.30 | 25.74 | 1883–84 | 29.75 |
| 1885 | 2.04 | .58 | .35 | 1.22 | none | .55 | none | none | .02 | .79 | 7 69 | 3.98 | 17.22 | 1884–85 | 11.69 |
| 1886 | 4.57 | .20 | .64 | 3.65 | .10 | none | none | none | none | .65 | none | 1.25 | 11.06 | 1885–86 | 21.64 |
| 1887 | .42 | 5.97 | 1.17 | 1.91 | none | none | none | none | none | none | .60 | 1.90 | 11.97 | 1886–87 | 11.37 |
| 1888 | 3.32 | 1.08 | 2.46 | .30 | .60 | .39 | none | none | .74 | none | 3.83 | 5.69 | 18.41 | 1887–88 | 10.65 |
| 1889 | .30 | .43 | | | | | | | | | | | | 1888–89 | *10.99 |

* Up to March 1, 1889.

## Meteorological Data—Willows, California.

Furnished by Mr. David Bentley.

| 1888. | Maximum | Date | Minimum | Date | Mean Maximum | Mean Minimum | Monthly Mean | Monthly Range | Cloudy Days | Fair Days | Clear Days | Rainy Days | Mean Barometer | Rainfall | Prevailing Wind |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 63 | 27 | 17 | 15 | 50 | 35 | 42 | 46 | 14 | 7 | 10 | 9 | 30.12 | 3.68 | N. |
| February | 78 | 25 | 28 | 29 | 63 | 40 | 52 | 50 | 5 | 6 | 18 | 4 | 30.11 | 0.40 | N. |
| March | 78 | 16 | 32 | 5 | 65 | 41 | 53 | 46 | 6 | 6 | 19 | 6 | 30.03 | 1.09 | S. |
| April | 93 | 28 | 35 | 1 | 81 | 47 | 64 | 58 | 2 | 2 | 26 | 2 | 30.05 | 0.11 | S. |
| May | 100 | 12 | 43 | 23 | 84 | 51 | 68 | 57 | 5 | 4 | 22 | 1 | 29.93 | 0.16 | S. |
| June | 101 | 22 | 43 | 7 | 88 | 56 | 71 | 64 | 5 | 6 | 19 | 4 | 29.93 | 0.24 | S. |
| July | 111 | 20 | 51 | 8 | 99 | 61 | 80 | 60 | 1 | 1 | 29 | 1 | 29.97 | 0.06 | S. |
| August | 109 | 24 | 48 | 1 | 100 | 62 | 81 | 61 | 1 | 0 | 30 | 0 | 29.92 | 0.00 | S. |
| September | 109 | 11 | 52 | 29 | 95 | 62 | 79 | 55 | 1 | 3 | 26 | 1 | 29.91 | 0.38 | N. |
| October | 93 | 10 | 40 | 19 | 81 | 51 | 63 | 53 | 1 | 1 | 29 | 0 | 30.00 | 0.00 | N. |
| November | 74 | 1 | 33 | 11 | 64 | 45 | 55 | 41 | 9 | 4 | 17 | 7 | 30.08 | 3.33 | N. |
| December | 68 | 18 | 34 | 31 | 56 | 45 | 50 | 34 | 20 | 4 | 7 | 21 | 30.13 | 4.12 | S. |
| | 90 | | 38 | | 77 | 49 | 63 | 62 | 70 | 44 | 252 | 56 | 30.01½ | 14.17 | S. |

## Seasonal Temperatures for Places in Colusa County.

| | Princeton. | Williams. | Willows. | Orland. | College City. |
|---|---|---|---|---|---|
| Average winter temperature | 48.2 | 47.5 | 45.7 | 52.6 | 48.4 |
| Average spring temperature | 61.4 | 61.7 | 63.0 | 65.1 | 63.3 |
| Average summer temperature | 78.7 | 79.6 | 81.5 | 81.7 | 76.6 |
| Average fall temperature | 63.3 | 63.6 | 64.5 | 67.6 | 60.9 |
| Average yearly temperature | 62.8 | 63.1 | 63.7 | 66.8 | 62.3 |
| Highest temperature | 114 | 114 | 112 | 113 | 114 |
| Lowest temperature | 19 | 19 | 19 | 22 | 19 |
| Average rainfall—inches | 15.25 | 12.09 | 12.03 | 16.36 | 16.35 |

## Meteorological Record for the Year 1888, and Summary for the Years 1884–88, at Oroville, Butte County.

By Hiram Arents, of the United States Volunteer Signal Corps.

January, 1888—The cold wave that passed over the State this month was the longest continuous spell of cold weather and marked the lowest temperature of any period since 1849. It began January fourth, and was below 32° for fourteen days with but one exception. The following is from my daily record from Green's standard self-registering minimum thermometer: fourth, 30°; fifth, 28°; sixth, 30°; seventh, 26°; eighth, 25°; ninth, 27°; tenth, 29°; eleventh, 31°; twelfth, 29°; thirteenth, 39° (snow storm); fourteenth, 20°; fifteenth, 24°; sixteenth, 32°; seventeenth, 25°; eighteenth, 27°. On the thirteenth it moderated at 7:30 A. M.; the thermometer was 38°; a snow storm set in, lasting three hours; the snow melted as it fell, except on wooden situations. This was the first flake of snow seen in Oroville since February 11, 1884, when half an inch was left on the ground. The mean temperature for January was 45.40°, the lowest I have any record of, the average for the past five years being 49.52°. January, 1888, was 4° below the average. The highest temperature was 65°, or 4°

below the average; the lowest was 20°, or 10° below the average. The highest barometer was 30.52 on the seventeenth, the highest reading I have any record of; the lowest was 29.44; mean, 30.05. Clear days, 11; cloudy, 17; fair, 3. Rain fell for 13 days, and a trace on the 14th. Rainfall for the month, 7.72 inches; season, to date, 11.71 inches. Light frosts, none; heavy, none; hard, 13.

*Summary for January, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 50.45 | 53.23 | 48.18 | 50.28 | 45.41 | 49.51 |
| Highest temperature | 70.00 | 74.00 | 66.00 | 70.00 | 65.00 | 69.00 |
| Lowest temperature | 35.00 | 34.00 | 29.00 | 32.00 | 20.00 | 30.00 |
| Clear days | | 16 | 18 | 24 | 11 | 17 |
| Cloudy days | | 12 | 11 | 5 | 17 | 11.1 |
| Fair days | | 3 | 2 | 2 | 3 | 2.2 |
| Rainfall | | 2.10 | 5.17 | 1.02 | 7.72 | 4.0 |
| Season to date | | 15.83 | 22.17 | 4.11 | 11.71 | 13.45 |
| Light frost | | 1 | 2 | 7 | | 2.2 |

February, 1888—Was a pleasant month; at no time was the temperature at the freezing point; less than one inch of rain fell. The mean temperature was 55.2°, or about 2° above the average for the last five Februarys; the highest was 79°, about 6° above the average; lowest, 34°, or 1° below the average. The almonds and apricot trees were in full bloom by the fifteenth instant. Highest barometer was 30.25; lowest, 29.70; mean, 29.98. There were 21 clear, 4 cloudy, and 4 fair days. It rained part of 5 days; rainfall, .99, and for the season to date, 12.70. Prevailing winds were southerly. Light frost occurred on the second, third, sixth, and seventh. Thermometer at 6 A. M. at each date was 39°, 34°, 35°, 37°.

*Summary for February, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 49.46 | 59.16 | 57.10 | 47.30 | 55.20 | 53.53 |
| Highest temperature | 74.00 | 70.00 | 70.00 | 70.00 | 79.00 | 73.00 |
| Lowest temperature | 25.00 | 38.00 | 44.00 | 32.00 | 34.00 | 35.00 |
| Clear days | | 18 | 18 | 15 | 21 | 18 |
| Cloudy days | | 6 | 3 | 13 | 4 | 6.2 |
| Fair days | | 4 | 7 | 0 | 4 | 3.3 |
| Rainfall | | 0.73 | 0.36 | 8.93 | 0.99 | 2.75 |
| Season to date | | 16.56 | 25.53 | 13.65 | 12.70 | 17.40 |
| Light frost | 7 | 1 | 1 | 4 | 4 | 3.2 |

March, 1888—Came in with a cold rain storm lasting four days; the rain was 1.64 inches. Range of the thermometer during the four days, highest, 64°; lowest, 40°. Mean for March was 56.03°; this was 4° below the average for the last five years; highest temperature, 78°; lowest, 40°. Highest barometer, 30.38; lowest, 29.54; mean, 29.94. Clear days, 19; cloudy, 6; fair, 6. Days that rain fell, 9; rainfall, 3.44; season to date, 16.14. Prevailing winds, southerly. No frost. On the third, a hail storm with thunder and zigzag lightning, lasting about fifteen minutes, followed by a light rain for half an hour, measuring .18 of an inch. Thermometer, 48°; barometer, 29.73. This month the nectarine, peach, plum, pear, apple, and on the twenty-fourth orange and lemon trees were in bloom.

*Summary for March, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 59.08 | 68.18 | 55.18 | 61.13 | 56.03 | 59.92 |
| Highest temperature | 80.00 | 86.00 | 75.00 | 84.00 | 78.00 | 80.00 |
| Lowest temperature | 40.00 | 46.00 | 40.00 | 37.00 | 40.00 | 40.00 |
| Clear days | | 20 | 14 | 26 | 19 | 20 |
| Cloudy days | | 6 | 13 | 3 | 6 | 7 |
| Fair days | | 5 | 6 | 2 | 6 | 5 |
| Rainfall | | 0.25 | 2.70 | 0.99 | 3.44 | 1.84 |
| Season to date | | 16.81 | 25.23 | 14.31 | 16.31 | 18.17 |
| Light frost | 4 | 0 | 2 | 2 | 0 | 1.30 |

April, 1888—Was pleasant; the mean temperature was 66°, nearly 3° above the average for the last five Aprils. Highest for the month was 87°; lowest, 45°; highest barometer was 30.20; lowest, 29.77; mean, 29.958. Clear days, 26; cloudy, none; fair, 4. Days rain fell, 2; rainfall, .14 of an inch; season to date, 16.28. Winds, southerly. No frost. Saturday, twenty-eighth, at 8:45 P. M., a shock of earthquake was distinctly felt in this city, preceding the same was a rumbling noise. The oscillation was slight, and seemed to come from the southeast to northwest, but the trembling was more severe, shaking buildings and alarming the inmates, but doing no damage. Duration, about five seconds.

*Summary for April, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 60.53 | 64.75 | 60.28 | 62.12 | 66.00 | 62.94 |
| Highest temperature | 80.00 | 84.00 | 84.00 | 86.00 | 87.00 | 84.10 |
| Lowest temperature | 46.00 | 42.00 | 44.00 | 38.00 | 45.00 | 43.00 |
| Clear days | | 13 | 13 | 21 | 26 | 18.10 |
| Cloudy days | | 11 | 13 | 7 | 0 | 7.3 |
| Fair days | | 6 | 4 | 2 | 4 | 4 |
| Rainfall | | 1.64 | 5.48 | 2.81 | 0.14 | 2.27 |
| Season to date | | 16.47 | 30.71 | 17.41 | 16.28 | 20.22 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

May, 1888—Many persons considered May very cold, yet, when we compare the daily and monthly temperature with the former months of May, I find there was less variations and extreme changes between the highest and lowest temperature than any of the months mentioned. For instance, May, 1887, the highest temperature was 102°; lowest, 39°; average, 63°. 1888, highest, 90°; lowest, 51°; average, 69°; and yet the mean monthly temperature of this month was less than three fourths of a degree below the average of the last five years. The mean temperature was 69°, maximum, 90°; minimum, 51°; and the mean of the maximum was 77.1°, and of the minimum, 57.1°. Highest barometer, 30.02; lowest, 29.71; mean, 29.931. There were 21 clear, 6 cloudy, and 4 fair days. Rain fell on part of 5 days and a trace on 2. Rainfall for the month, .38 of an inch; season to date, 16.60. Prevailing winds, southerly. No frost. At 10 P. M. on the twelfth a light thunder storm passed over the town; course, from southeast to northwest; precipitation .05 of an inch. Also on the thirteenth at 4:30 P. M.; course, from east to west; rainfall, .05 of an inch.

*Summary for May, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 68.82 | 72.13 | 68.45 | 70.01 | 69.02 | 69.86 |
| Highest temperature | 88.00 | 96.00 | 90.00 | 102.00 | 90.00 | 93.10 |
| Lowest temperature | 51.00 | 52.00 | 52.00 | 39.00 | 51.00 | 49.00 |
| Clear days | | 24 | 25 | 24 | 21 | 23.20 |
| Cloudy days | | 4 | 4 | 2 | 6 | 4 |
| Fair days | | 3 | 2 | 4 | 4 | 3.10 |
| Rainfall | | 0.65 | 0.50 | 0.08 | 0.38 | 0.40 |
| Season to date | | 19.10 | 31.21 | 17.49 | 16.60 | 21.10 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

June, 1888—The temperature of June compares favorably with June in 1884 and 1885, the mean for the three months 1884, 72.70°; 1885, 73°; 1888, 72.03, and the maximum 94°, 90°, 93°, and the minimum 56°, 57°, 57°, showing the mean maximum and minimum for the three months was nearly of the same temperature. The highest barometer for this month was 30.02; lowest, 29.67; mean, 29.828; clear days, 20; cloudy, 7; fair 3. Rain fell on part of 5 days and a trace on 3; rainfall, 1.16; for the season, 17.76. More rain fell this month than any June recorded. Prevailing wind, southerly; no frost. On the third of this month a thunder and lightning storm occurred; the precipitation was .34 of an inch. Also, two well defined solar circles appeared around the sun on the eighth and eleventh; the latter was described by me, and published in the "Oroville Register" of the fourteenth. This was the most brilliant one I have ever seen, and attracted crowds of people on the streets for hours viewing the extraordinary phenomenon.

*Summary for June, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 72.70 | 73.00 | 79.12 | 76.09 | 72.03 | 74.59 |
| Highest temperature | 94.00 | 90.00 | 95.00 | 104.00 | 93.00 | 95.10 |
| Lowest temperature | 56.00 | 57.00 | 62.00 | 54.00 | 57.00 | 57.10 |
| Clear days | | 21 | 30 | 24 | 20 | 24 |
| Cloudy days | | 5 | 0 | 2 | 6 | 3.1 |
| Fair days | | 4 | 0 | 4 | 4 | 3 |
| Rainfall | | 0.39 | 0.00 | 0.18 | 1.16 | 0.43 |
| Season to date | | 19.49 | 31.21 | 17.67 | 17.76 | 21.53 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

July, 1888—Shows greater extremes of temperature than any July for five years. Although the mean temperature was an average one, 79.8°. The highest was 102°, nearly 2° above the average; the lowest, 56°, about 2° below the average. Extremes, 46°, nearly 5° above the average. There were more days the thermometer was above 90° than any of the past five Julys. In 1884 there were 15 days; 1885, 13; 1886, 14; 1887, 14; 1888, 16. Highest barometer, 30.18; lowest, 29.74; mean, 29.88. There were 28 clear days; 3 fair, none cloudy. There was .07 of an inch fell on the eleventh, the first rainfall recorded in July for five years. There was a trace on the seventeenth, twenty-first, and thirty-first, in 1885; there was a trace on the second, in 1866; and on the eighth, ninth, and twelfth, in 1887. Prevailing winds, southerly. No frost. A total eclipse of the moon occurred on Sunday, the eleventh; at 7:50 P. M. the moon entered the

shadow of the earth; the total eclipse beginning at 8:30 P. M. and ending at 10:30 P. M.; duration, one hour and forty minutes. During the passage of the earth's shadow across the moon, frequent flashes of diffused lightning was noticed in the east. No clouds were seen.

*Summary for July, 1884 to 1888, at Oroville.*

| YEAR: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 79.76 | 78.80 | 81.16 | 78.75 | 79.08 | 79.51 |
| Highest temperature | 98.00 | 96.00 | 102.00 | 101.00 | 102.00 | 99.40 |
| Lowest temperature | 56.00 | 60.00 | 61.00 | 57.00 | 56.00 | 58.00 |
| Clear days | | 31 | 30 | 30 | 28 | 29.30 |
| Cloudy days | | 0 | 1 | 0 | 0 | 0.25 |
| Fair days | | 0 | 0 | 1 | 3 | 1 |
| Rainfall | .00 | .00 | .00 | .00 | .07 | .01 |
| Season to date | .00 | .00 | .00 | .00 | .07 | .01 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

August, 1888—Was one of peculiarities, although the mean temperature was an average one for the last five years. The maximum was the same as 1884, and 3° below 1885, yet the heat was more oppressive than either of these months, owing to the humidity of the atmosphere. It is seldom dew falls in this locality during the months of July and August. This year has been an exception to the past five; it could be plainly seen, almost every morning, on grasses and shrubbery. The latter part of this month warm nights prevailed—the twenty-ninth and thirtieth showed the highest temperatures at the 5 A. M. readings: At 5 A. M. on the twenty-ninth it was 76°; at 6 A. M., 72°; at 2 P. M., 92°; at 4 P. M., 105.5°, and at 9 P. M., 92°. The mean temperature for the twenty-four hours was 81.1°. During the nights of the twenty-ninth and thirtieth 82° was the lowest reading at 5 A. M. Number of days in August, for five years, the thermometer reached 90° and upwards: 1884, 24 days from 90° to 102°; 1885, 23 days from 90° to 105°; 1886, 16 days 90° to 96°; 1887, 10 days 90° to 97°; 1888, 23 days 90° to 102°. The mean temperature this month was 81.2°; maximum, 102°; minimum, 50°. Highest barometer, 30.02; lowest, 29.70; mean, 29.852. Number of clear days, 30; cloudy, 1; fair, none. No rain fell this month; for the season to date, 0.01 of an inch. Prevailing winds, southwesterly.

*Summary for August, 1884 to 1888, at Oroville.*

| YEAR: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 82.17 | 82.11 | 81.16 | 76.22 | 81.02 | 80.54 |
| Highest temperature | 98.00 | 105.00 | 102.00 | 97.00 | 102.00 | 100.00 |
| Lowest temperature | 56.00 | 63.00 | 61.00 | 54.00 | 58.00 | 57.00 |
| Clear days | 30 | 25 | 30 | 30 | 30 | 29 |
| Cloudy days | 0 | 2 | 1 | 0 | 1 | 1 |
| Fair days | 1 | 4 | 0 | 1 | 0 | 1.1 |
| Rainfall | .00 | .00 | .00 | .01 | .00 | 0 |
| Season to date | .00 | .00 | .00 | .01 | .01 | 0 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

September, 1888—Was the warmest month we have any record of. The mean temperature was over 5° above the average for the last five years. The highest for the month at 2 P. M. was, for the following dates, first, sixth, tenth, and eleventh, 102°, and at four P. M. on the first, sixth, and tenth, 103.5°; lowest at 6 A. M., 57°.

Commencing on the nineteenth of August and ending on September twelfth was the longest continuous spell of hot weather I have ever experienced. On the tenth and eleventh of September shows a higher daily mean temperature than in any other days of the present year—88.5° and 89°; the highest for these two days, 103.5°, 102°; lowest, 78° and 77.5°. On these two days the air was close and oppressive. Most people believe the temperature was higher than recorded. During the twenty-four days of this hot wave no time was the temperature below 90° at the 2 and 4 P. M. readings. The highest barometer was 30.00; lowest, 29.62; mean, 29.842; clear days, 25; cloudy, 2; fair, 3; days it rained, 3; trace, 1. Rainfall for the month, .63 of an inch, and the season to date, .70. Prevailing winds, southerly. At 6 A. M. on the fourteenth a light thunder and lightning shower of rain occurred. Its course was from north to south; precipitation, .04 of an inch. Also on the fifteenth three distinct thunder and lightning showers of rain. The one at 1 P. M. was the most severe; the peals of thunder were loud, and the flashes of lightning sharp, forked, and zigzag. Its course was from southeast to northwest; precipitation. .48 of an inch. Also one on the twenty-second passed east of town; course, north and south; precipitation, trace.

*Summary for September, 1884 to 1888, at Oroville.*

| YEAR: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 72.73 | 69.25 | 74.19 | 75.25 | 80.00 | 74.28 |
| Highest temperature | 97.00 | 94.00 | 96.00 | 96.00 | 102.00 | 97.00 |
| Lowest temperature | 54.00 | 52.00 | 54.00 | 53.00 | 57.00 | 54.00 |
| Clear days | 21 | 21 | 30 | 20 | 25 | 25.2 |
| Cloudy days | 7 | 6 | 0 | 0 | 2 | 3 |
| Fair days | 2 | 4 | 0 | 4 | 3 | 2.3 |
| Rainfall | 2.27 | .20 | .00 | .15 | .63 | 0.65 |
| Season to date | 2.27 | .20 | .00 | .16 | .70 | 0.67 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

October, 1888—Was one of the most pleasant and delightful months we have had for years, and at no time was the maximum temperature above 89°, and the minimum but five days below 50°. No rain or a trace fell this month. This has been the only October for five years I have not recorded a measure or trace. The mean temperature was 68°, nearly 2° above the average. Highest was 89°; lowest, 45°. Highest barometer, 30.12; lowest, 29.73; mean, 29.91. Number clear days, 30; cloudy, none; fair, 1. Rainfall, none; season to date, .70 of an inch. Prevailing winds, southerly. No frost this month. This mild and favorable October weather caused the oranges to commence coloring nicely, and before November expired many carloads were in condition for shipping.

*Summary for October, 1884 to 1888, at Oroville.*

| YEAR: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 64.31 | 69.28 | 63.22 | 68.40 | 68.00 | 66.62 |
| Highest temperature | 87.00 | 94.00 | 87.00 | 91.00 | 89.00 | 89.30 |
| Lowest temperature | 46.00 | 52.00 | 43.00 | 45.00 | 45.00 | 46.10 |
| Clear days | 21 | 20 | 25 | 29 | 30 | 25 |
| Cloudy days | 7 | 6 | 5 | 0 | 0 | 2.20 |
| Fair days | 2 | 2 | 1 | 2 | 1 | 2 |
| Rainfall | 2.03 | .00 | .63 | .00 | .00 | .54 |
| Season to date | 4.35 | .20 | .63 | .16 | .70 | 1.21 |
| Light frost | 0 | 0 | 0 | 0 | 0 | 0 |

November, 1888—The month just past has been one of slight variation in the temperature, and shows a better average than any of the Novembers of the last five years. The mean temperature was 56.5°, and the mean of the maximum 65.4°, and of the minimum 48°; the average would be 56.6°. The extremes between the mean maximum and mean minimum was but little over 17° for the entire month. The highest temperature for the month was 76° on the seventh; lowest, 38.5° on the fifth. Highest barometer, 30.18; lowest, 29.66; mean, 29.972. Number clear days, 22; cloudy, 6; fair, 2; foggy, 1. Days rained, 6—on the fifteenth, sixteenth, seventeenth, twentieth, twenty-second, and twenty-fifth. Rainfall, 4.14; for the season to date, 4.48. First frost of the season occurred on the twenty-seventh, and one the twenty-ninth; both were very light. Thermometer at 39° and 41°. Prevailing winds southerly.

*Summary for November, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 61.67 | 57.10 | 53.08 | 58.00 | 56.40 | 57.90 |
| Maximum temperature | 76.00 | 74.00 | 76.00 | 80.00 | 76.00 | 76.20 |
| Minimum temperature | 40.00 | 42.00 | 31.00 | 31.00 | 38.50 | 36.70 |
| Clear days | 25 | 7 | 25 | 21 | 22 | 20 |
| Cloudy days | 3 | 21 | 4 | 7 | 6 | 12.10 |
| Fair days | 2 | 2 | 1 | 2 | 2 | 1.40 |
| Rainfall | .05 | 11.27 | .29 | 1.21 | 4.14 | 3.39 |
| Season to date | 4.40 | 11.47 | .92 | 1.37 | 4.84 | 4.60 |
| Light frost | 0 | 2 | 5 | 0 | 2 | 1.40 |

December, 1888—This month, for cloudy weather and the number of days it rained, has exceeded any December since 1884. The mean temperature was 50.2°, nearly 2° below the average for the past five Decembers; the maximum was 66°, 4° below the average, and the minimum 35°, an average for this month. The highest barometer was 30.28; lowest, 29.47; mean, 30.041. Number of clear days was 13; this was below the average for December. Cloudy days, 17; two above the average. Fair days, 1; three below the average. There were 12 rainy days—on the first, eighth, ninth, tenth, thirteenth, fourteenth, fifteenth, sixteenth, twenty-first, twenty-second, twenty-fourth, and twenty-sixth, a trace on the eleventh, twentieth, twenty-fourth, and twenty-ninth. Rainfall for the month, 8.91; and for the season to date, 13.75. Last season to this date, 3.99; excess this season, 9.76. There was two light frosts this month, on the thirtieth and thirty-first, thermometer at 38° and 35.5°. Prevailing winds, southerly. Number of days from south, 8; southwest, 7; west, 6; northwest, 1; northeast, 2; north, 1; east, 1. The daily weather predictions received at this station from Lieutenant Maxfield, Chief Signal Officer, San Francisco, for the month of December, have been verified in all except two instances, the fifteenth and twenty-fourth of the month. This shows over 92 per cent of the predictions verified. This we consider extraordinary and highly creditable to that officer. It must be remembered Oroville is out of the direct line of telegraph communication with that office, and not permitted to frank telegrams to the same. Our people watch my bulletin board for the daily predictions, and a short time after they are posted it is known over the city the state of the weather for the next twenty-four hours.

*Summary for December, 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 53.66 | 53.00 | 52.25 | 51.00 | 50.20 | 52.00 |
| Highest temperature | 74.00 | 75.00 | 70 00 | 67.00 | 66.00 | 70.20 |
| Lowest temperature | 31.00 | 37.00 | 37.00 | 34.00 | 35.00 | 35.00 |
| Clear days | 12 | 15 | 15 | 17 | 13 | 14.20 |
| Cloudy days | 16 | 15 | 11 | 9 | 17 | 15.20 |
| Fair days | 3 | 1 | 5 | 5 | 1 | 3 |
| Rainfall | 9.33 | 5.53 | 2.75 | 2.60 | 8.91 | 5.83 |
| Season to date | 13.73 | 16.00 | 3.67 | 3.99 | 13.75 | 10.23 |
| Light frost | 2 | 0 | 4 | 7 | 2 | 3 |

The following annual summary for the years 1884, 1885, 1886, 1887, and 1888, is for Oroville:

It will be seen the average annual mean temperature for the five years was 64.15°; the highest was in 1885, 67.25°; lowest, in 1888, 60.15°. The annual maximum was highest in 1887, 87.4°; average, 84.43°; lowest in 1885, 82.60°. Minimum, the average was 45.16°; highest in 1885, 48.3°; lowest in 1887, 42.2°. The average number of clear days for the four years (leaving out 1884, as the record was but four months) was 266 days; the highest number in any one year was 287 in 1887, and the lowest was 236 in 1885. The average for cloudy days was 67; the highest in any one year was 91 in 1885, and the least, 48 in 1887. The average number of rainy days in the four years was 54, and 61 was the highest number in 1888, and 47 the lowest in 1887. The average annual rainfall for the four years was 21.54 in 1888, and the least was 17.88 in 1886. The average number of light frosts for the five years was 12.3, and of killing frosts, 6.3; the most light frost was 22 in 1887, and of killing, 13 in January, 1888.

*Annual Summary for 1884 to 1888, at Oroville.*

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|
| Mean temperature | 64.60 | 67.25 | 64.28 | 64.53 | 60.10 | 64.15 |
| Highest temperature | 84.65 | 82.06 | 83.34 | 87.04 | 85.09 | 84.43 |
| Lowest temperature | 44.61 | 48.03 | 46.12 | 42.02 | 45.00 | 45.16 |
| Clear days | *110 | 236 | 274 | 287 | 266 | 266 |
| Cloudy days | *33 | 91 | 63 | 48 | 66 | 67 |
| Fair days | *10 | 38 | 28 | 20 | 35 | 32 |
| Rainfall | 13.73 | 22.76 | 17.88 | 17.99 | 27.52 | 21.54 |
| Light frost | 16 | 4 | 13 | 22 | 8 | 12 |

*Four months record.

## Chico Temperature and Rainfall.

The following table shows the average temperature and rainfall by seasons, as deduced from fourteen years' observations, along with the highest and lowest temperatures:

| | Seasonal Temperature—Degrees. | Seasonal Rainfall—Inches and Tenths. |
|---|---|---|
| Average winter | 47.3 | 11.52 |
| Average spring | 62.4 | 4.88 |
| Average summer | 81.3 | .36 |
| Average autumn | 64.1 | 3.56 |
| Average yearly | 63.8 | 20.32 |
| Highest temperature | 108.0 | |
| Lowest temperature | 18.0 | |

Average monthly rainfall, as deduced from fourteen years of observation, at Chico:

| Months. | Inches. | Months. | Inches. |
|---|---|---|---|
| January | 4.23 | August | .03 |
| February | 3.74 | September | .26 |
| March | 2.94 | October | 1.11 |
| April | 1.58 | November | 2.19 |
| May | .80 | December | 3.55 |
| June | .30 | | |
| July | .04 | Seasonal | 20.32 |

Average monthly temperature, as deduced from fourteen years of observation at Chico:

| Months. | Degrees. | Months. | Degrees. |
|---|---|---|---|
| January | 44.0 | August | 81.9 |
| February | 49.8 | September | 75.3 |
| March | 56.5 | October | 64.8 |
| April | 61.9 | November | 52.3 |
| May | 68.7 | December | 46.1 |
| June | 78.0 | | |
| July | 83.2 | Year | 63.5 |

Lowest temperature, 18°, in January, 1888, during the passage of the cold wave.

## Rainfall at Oroville, Butte County.

The rainfall for Oroville was furnished by Mr. Hiram Arents, Signal Service Observer at that place, from September, 1884, to date:

| Year: | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. |
|---|---|---|---|---|---|---|
| January | ..... | 2.10 | 6.13 | 1.02 | 7.72 | .16 |
| February | ..... | .73 | .36 | 8.93 | .99 | .57 |
| March | ..... | .25 | 2.70 | .98 | 3.44 | 8.98 |
| April | ..... | 1.64 | 5.48 | 2.81 | .14 | ..... |
| May | ..... | .65 | .50 | .08 | .38 | ..... |
| June | ..... | .39 | none | .18 | 1.16 | ..... |
| July | ..... | sprin. | sprin. | sprin. | .07 | ..... |
| August | ..... | none | sprin. | .01 | none | ..... |
| September | 2.27 | .20 | none | .15 | .63 | ..... |
| October | 2.08 | sprin. | .63 | none | none | ..... |
| November | .05 | 11.27 | .29 | 1.21 | 4.14 | ..... |
| December | 9.33 | 5.53 | 2.75 | 2.62 | 8.91 | ..... |
| Total for year | *13.73 | 22.76 | 18.84 | 17.99 | 27.52 | ..... |
| Season of | ..... | 1884–85 | 1885–86 | 1886–87 | 1887–88 | 1888–89 |
| Total for season | ..... | 19.49 | 32.17 | 17.67 | 17.82 | *19.46 |

*Up to April, 1889.

**Annual Meteorological Review, for Red Bluff, Tehama County.**—The following table shows the climatic condition in all its features for eleven years, from 1877 to 1888, both years inclusive, at Red Bluff, California, furnished by John J. McLean, Observer Signal Corps:

| Annual Weather Review For: | 1877.* | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | ..... | 29.58 | 29.64 | 29.65 | 29.65 | 29.64 | 29.67 | 29.62 | 29.65 | 29.65 | 29.64 | 29.97 |
| Highest barometer | 30.03 | 30.14 | 30.30 | 30.14 | 30.12 | 30.14 | 30.34 | 30.22 | 30.09 | 30.10 | 30.14 | 30.64 |
| Lowest barometer | 29.23 | 29.00 | 28.97 | 29.03 | 29.19 | 29.30 | 29.21 | 28.98 | 29.07 | 28.99 | 29.08 | 29.52 |
| Range of barometer | ..... | 1.14 | 1.32 | 1.11 | .93 | .85 | 1 13 | 1.24 | 1.02 | 1.11 | 1.06 | 1.12 |
| Average temperature | ..... | 64.0 | 63.3 | 61.2 | 62.1 | 60.2 | 61.5 | 60.8 | 64.4 | 63.2 | 64.4 | 64.5 |
| Highest temperature | 108.0 | 110.5 | 110.0 | 108.0 | 103.0 | 105.0 | 107.0 | 107.0 | 108.0 | 109.0 | 111.5 | 109.0 |
| Lowest temperature | 32.0 | 25.0 | 25.0 | 26.0 | 31.0 | 25.0 | 19.0 | 22.0 | 33.0 | 30.0 | 27.3 | 17.5 |
| Range of temperature | ..... | 85.5 | 85.0 | 82.0 | 72.0 | 80.0 | 88.0 | 85.0 | 75.0 | 79.0 | 84.2 | 91.5 |
| Greatest monthly range of temperature | 54.0 | 55.0 | 54.0 | 53.5 | 53.0 | 57.0 | 58.0 | 57.0 | 56.0 | 54.4 | 70.4 | 55.1 |
| Least monthly range of temperature | 34.0 | 25.0 | 36.0 | 27.5 | 32.5 | 30.0 | 39.0 | 35.5 | 32.5 | 34.5 | 35.9 | 25.6 |
| Average maximum temperature | ..... | 86.9 | 89.2 | 86.7 | 86.0 | 83.7 | 87.2 | 72.0 | 75.3 | 76.2 | 75.6 | 75.1 |
| Average minimum temperature | ..... | 41.4 | 41.3 | 39.8 | 41.1 | 39.5 | 39.8 | 49.7 | 52.8 | 52.4 | 51.4 | 52.2 |
| Average range of temperature | ..... | 45.5 | 47.8 | 47.0 | 45.1 | 43.9 | 47.3 | 44.0 | 44.8 | 46.6 | 50.0 | 46.2 |
| Average humidity | ..... | 53.2 | 52.5 | 51.4 | 55.1 | 58.0 | 55.1 | 59.3 | 57.5 | 55.3 | 47.0 | 52.5 |
| Average dew point | ..... | ..... | ..... | ..... | ..... | ..... | 41.5 | 43.5 | 45.2 | 42.8 | 39.5 | 41.7 |
| Prevailing direction of wind | N. | N. | N. | N. | N. | N. | N. | N.&S. | S. | N. | N. | N. |
| Total precipitation | 8.54 | 49.01 | 33.64 | 26.53 | 24.93 | 21.82 | 13.76 | 28.06 | 29.63 | 17.21 | 13.60 | 24.94 |
| Total velocity of wind | 28,805 | 70,220 | *a* | *b*20,379 | 49,088 | 45,879 | 54,948 | 58,145 | 51,924 | 54,690 | 63,705 | 57,969 |
| Maximum velocity of wind | 30 | 46 | 52 | 60 | 42 | 40 | 36 | 48 | 44 | 50 | 45 | 45 |
| Direction at time of maximum velocity | N. | S.E. | S. | S.E. | S. | S. | S. | S. | S. | S.E. | N. & S. | N. & S. |
| Total number of clear days | 128 | 232 | 207 | 230 | 204 | 215 | 261 | 225 | 223 | 212 | 213 | 207 |
| Total number of fair days | 32 | 72 | 90 | 74 | 103 | 89 | 67 | 84 | 96 | 91 | 98 | 89 |
| Total number of cloudy days | 24 | 61 | 68 | 55 | 58 | 43 | 37 | 53 | 46 | 59 | 54 | 68 |
| Total number of foggy days | *a* | *a* | *a* | *a* | 0 | 0 | 5 | 0 | 2 | 2 | 0 | 1 |
| Total number of days of precipitation | 27 | 79 | 83 | 66 | 72 | 69 | 44 | 71 | 70 | 63 | 57 | 91 |
| Number of earthquakes | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 |
| Snow storms | *a* | *a* | *a* | *a* | *a* | 0 | 0 | 1 | 0 | 1 | 2 | 4 |
| Thunder and lightning | *a* | *a* | *a* | *a* | *a* | 7 | 7 | 7 | 7 | 3 | 5 | 10 |
| Number of solar halos | *a* | *a* | *a* | *a* | 4 | 9 | 0 | 0 | 0 | 0 | 2 | 9 |
| Number of lunar halos | *a* | *a* | *a* | *a* | 3 | 2 | 3 | 5 | 2 | 14 | 14 | 10 |
| Number of light frosts | *a* | *a* | *a* | *a* | 17 | 19 | 9 | 21 | 16 | 14 | 10 | 16 |
| Number of killing frosts | *a* | *a* | *a* | *a* | 4 | 10 | 37 | 15 | 3 | 6 | 18 | 8 |
| Number of days maximum temperature above 90° | 69 | 93 | 84 | 71 | 59 | 60 | 94 | 53 | 77 | 89 | 99 | 88 |
| Number of days minimum temperature below 32° | 0 | 12 | 16 | 26 | 1 | 17 | 33 | 15 | 0 | 7 | 12 | 14 |

*Station opened July 1, 1877—Six months, 1877. *a* No record. *b* Five months.

**Red Bluff, Tehama County.**—This table is made up from the Signal Service records, and shows the total rainfall for each calendar year from 1878 to date, and the rainfall by seasons from 1877–78 to date; also the totals for each month, with the averages from the opening of the Signal Office on July 1, 1877, to date. Prepared by John J. McLean, Observer Signal Corps:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877 | ------ | ------ | ------ | ------ | ------ | ------ | .05 | .03 | none | 1.35 | 3.13 | 3.98 | ------ | ------ | ------ |
| 1878 | 20.71 | 16.66 | 4.16 | 2.21 | .89 | none | none | none | .42 | 1.56 | 1.66 | .69 | 48.96 | 1877–78 | 53.17 |
| 1879 | 3.18 | 3.67 | 5.39 | 2.12 | 2.18 | .30 | .04 | .28 | sprin. | .48 | 6.05 | 9.95 | 33.64 | 1878–79 | 21.17 |
| 1880 | 2.01 | 1.66 | 1.70 | 7.05 | 1.04 | none | none | none | none | .08 | .14 | 12.85 | 26.53 | 1879–80 | 30.26 |
| 1881 | 9.40 | 2.79 | .51 | 1.83 | .79 | .51 | sprin. | none | 1.07 | 1.61 | .73 | 5.69 | 24.93 | 1880–81 | 28.90 |
| 1882 | 2.81 | 3.94 | 2.67 | 2.12 | .33 | .15 | none | none | .49 | 2.80 | 5.07 | 1.44 | 21.82 | 1881–82 | 21.12 |
| 1883 | .87 | .39 | 2.60 | 1.96 | 2.96 | none | none | none | 1.04 | 2.68 | .74 | .52 | 13.76 | 1882–83 | 18.58 |
| 1884 | 3.55 | 2.21 | 7.81 | 4.31 | .18 | .97 | none | none | .36 | .90 | .04 | 7.73 | 28.06 | 1883–84 | 24.01 |
| 1885 | 1.84 | 1.19 | sprin. | .62 | .64 | 1.37 | .05 | none | 2.91 | .10 | 17.05 | 3.90 | 29.67 | 1884–85 | 14.69 |
| 1886 | 4.80 | .18 | 1.31 | 4.12 | .73 | sprin. | sprin. | sprin. | none | 1.76 | .34 | 3.94 | 17.18 | 1885–86 | 35.15 |
| 1887 | .57 | 5.21 | 1.13 | 1.76 | .77 | .26 | sprin. | sprin. | .06 | none | 1.52 | 2.32 | 13.60 | 1886–87 | 15.74 |
| 1888 | 4.08 | 2.17 | 3.47 | .53 | .51 | 2.61 | .07 | none | .33 | sprin. | 4.32 | 6.85 | 24.94 | 1887–88 | 17.27 |
| 1889 | .51 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ |

## Meteorological Report of Observations Taken at Anderson, Shasta County, California, for 1888.

By Dr. Albert Fuch.

| | |
|---|---|
| January—Highest barometer | 29.90 |
| Lowest barometer | 29.20 |
| Mean barometer | 29.52 |
| Highest temperature | 61.0 |
| Lowest temperature | 16.0 |
| Mean temperature | 43.5 |
| Rainfall | 10.25 |
| Prevailing direction wind | South. |
| February—Highest barometer | 29.92 |
| Lowest barometer | 29.14 |
| Mean barometer | 29.47 |
| Highest temperature | 78.0 |
| Lowest temperature | 28.0 |
| Mean temperature | 51.40 |
| Rainfall | 3.61 |
| Prevailing direction wind | South. |
| March—Highest barometer | 29.88 |
| Lowest barometer | 29.04 |
| Mean barometer | 29.42 |
| Highest temperature | 77.0 |
| Lowest temperature | 30.0 |
| Mean temperature | 52.6 |
| Rainfall | 9.50 |
| Prevailing direction wind | South. |
| April—Highest barometer | 29.62 |
| Lowest barometer | 29.12 |
| Mean barometer | 29.38 |
| Highest temperature | 89.0 |
| Lowest temperature | 45.0 |
| Mean temperature | 63.6 |
| Rainfall | .99 |
| Prevailing direction wind | North. |
| May—Highest barometer | 29.52 |
| Lowest barometer | 29.20 |
| Mean barometer | 29.32 |
| Highest temperature | 74.0 |
| Lowest temperature | 54.0 |
| Mean temperature | 69.0 |
| Rainfall | .75 |
| Prevailing direction wind | South. |
| June—Highest barometer | 29.52 |
| Lowest barometer | 29.18 |
| Mean barometer | 29.37 |
| Highest temperature | 98.0 |
| Lowest temperature | 60.0 |
| Mean temperature | 68.8 |
| Rainfall | 7.27 |
| Prevailing direction wind | South. |
| July—Highest barometer | 29.70 |
| Lowest barometer | 29.30 |
| Mean barometer | 29.46 |
| Highest temperature | 112.0 |
| Lowest temperature | 68.0 |
| Mean temperature | 83.5 |
| Rainfall | .28 |
| Prevailing direction wind | North. |
| August—Highest barometer | 29.44 |
| Lowest barometer | 29.10 |
| Mean barometer | 29.37 |
| Highest temperature | 104.0 |
| Lowest temperature | 70.0 |
| Mean temperature | 84.0 |
| Rainfall | |
| Prevailing direction wind | North. |
| September—Highest barometer | 29.60 |
| Lowest barometer | 29.19 |
| Mean barometer | 29.377 |
| Highest temperature | 105.0 |
| Lowest temperature | 58.0 |
| Mean temperature | 81.0 |
| Rainfall | 0.61 |
| Prevailing direction wind | North. |
| October—Highest barometer | 29.67 |
| Lowest barometer | 29.20 |
| Mean barometer | 29.43 |
| Highest temperature | 90.0 |
| Lowest temperature | 46.0 |
| Mean temperature | 63.0 |
| Rainfall | |
| Prevailing direction wind | North. |
| November—Highest barometer | 29.57 |
| Lowest barometer | 29.06 |
| Mean barometer | 29.37 |
| Highest temperature | 72.0 |
| Lowest temperature | 32.0 |
| Mean temperature | 52.9 |
| Rainfall | 6.08 |
| Prevailing direction wind | South. |
| December—Highest barometer | 29.66 |
| Lowest barometer | 28.78 |
| Mean barometer | 28.91 |
| Highest temperature | 68.0 |
| Lowest temperature | 35.0 |
| Mean temperature | 49.9 |
| Rainfall | 8.60 |
| Prevailing direction wind | South. |

Total rainfall, 47.74 inches. Snow in January, 3.5 inches; in February, 2.5 inches. Altitude of Anderson, 432 feet. Latitude, 40° 38′; longitude, 122° 25′.

## Weather Summary for the Years 1887 and 1888, near Fort Jones, Siskiyou County.

Furnished by Isaac Titcomb, Observer.

| Month. | Monthly Mean. | Monthly Mean from 5 A. M. to 7 A. M. | Monthly Mean at 2 P. M. | Monthly Mean from 5 P. M. to 7 P. M. | Highest Temperature | Lowest Temperature | Rainfall and Melted Snow Inches and Tenths |
|---|---|---|---|---|---|---|---|
| January, 1887 | 35.1 | 28.5 | 41.4 | 35.3 | 58 | 16 | 5.18 |
| February, 1887 | 30.3 | 23.1 | 37.6 | 30.1 | 55 | 10 | 4.96 |
| March, 1887 | 43.8 | 33.5 | 56.5 | 41.4 | 67 | 25 | 1.07 |
| April, 1887 | 45.2 | 35.4 | 56.0 | 44.3 | 76 | 26 | 2.63 |
| May, 1887 | 54.9 | 42.2 | 68.5 | 53.9 | 96 | 25 | 0.94 |
| June, 1887 | 59.5 | 44.9 | 75.4 | 58.2 | 96 | 35 | 0.36 |
| July, 1887 | 67.7 | 50.9 | 85.2 | 66.9 | 98 | 39 | 0.37 |
| August, 1887 | 65.3 | 49.6 | 80.7 | 65.6 | 93 | 37 | 0.18 |
| September, 1887 | 60.5 | 46.0 | 75.2 | 60.3 | 87 | 35 | 0.36 |
| October, 1887 | 54.3 | 40.6 | 67.7 | 54.7 | 80 | 30 | 0.09 |
| November, 1887 | 42.1 | 33.9 | 50.3 | 42.1 | 72 | 18 | 1.75 |
| December, 1887 | 33.6 | 28.2 | 38.6 | 34.0 | 46 | 21 | 5.88 |
| Yearly average (for 1887) | 49.4 | 38.1 | 61.1 | 48.9 | 98 | 10 | 23.77 |

Snowfall in January was 25 inches; snowfall in February, 66 inches; snowfall in March, inappreciable; snowfall in April, 5 inches; snowfall in May, 2 inches. Snowfall for the season, 109 inches. Rainfall for the year ending July thirty-first, 25.75 inches.

### *Summary for 1888.*

January—This month was chiefly remarkable for its *cold term*, which commenced on the morning of the tenth and terminated on the morning of the nineteenth, with an interval of two days (eleventh and twelfth) of southerly wind. To explain: The previous month (December) was noted for frequent falls of snow and some rain, amounting to 44 inches of snow, and a total water-fall of 5.89 inches. This phase of weather continued until the third of January, giving a foot more of snow and 2.39 inches more of water-fall. It cleared off cold on the tenth, and continued below the freezing point until the nineteenth (except on the eleventh and twelfth), with a mean temperature of 12.3°, the coldest day being the twenty-four hours ending on the morning of the fifteenth, showing a mean temperature of 1.3° above zero. This period, according to reports received from various points, was probably the coldest weather that has occurred in northern California for thirty or more years. The remaining half of the month was mild, with occasional moderate rains, except the last four days, which gave a rainfall of 2.11 inches. The mean temperature of the month was 24.34°; the maximum (twenty-sixth), 52°; minimum (fourteenth), 6° below zero.

February—As January was unusually cold, so, on the other hand, February was unusally mild, and for the most part clear and pleasant, with but a few rainy days near the middle of the month. Mean temperature 46°; maximum temperature, 63° on the twenty-sixth, and the minimum, 16° on the twenty-ninth.

March—The weather was generally clear and pleasant, with but little rain or snow, but not so mild as February. Mean temperature was 38.2°; maximum, 67° on the twenty-seventh, and minimum, 14° on the ninth.

April—The weather was almost uniformly dry, clear, and pleasant, with very little rain—the first and last weeks being moderate in temperature, while the middle of the month was quite warm and spring like. Mean

temperature, 49.8°; maximum, 83° on the twentieth; minimum, 29° on the fifth.

May—This month was generally dry, clear, and pleasant in its weather aspects, with but seven moderately rainy days. The first and last parts of the month were moderate in temperature, and the middle the warmest portion of it; yet without great extremes of temperature. Mean temperature, 54.2°; maximum, 86° on the twelfth, and minimum, 35° on the twenty-first.

June—The weather was rather cold for the season, with two days of heavy rainfall in the first part of the month, and the same occurrence near the middle of the month—the latter portion being dry and pleasant, but cooler than usual on account of the prevailing winds being from the north. Mean temperature, 53.9°; maximum, 84° on the twentieth, and minimum, 36° on the twentieth.

July—It was almost uniformly dry and pleasant, with but two or three rainy days; the greater part of the month being moderate in temperature from prevalent northerly winds, with a week of pretty warm weather at the middle of the month. Mean temperature, 63.74°; maximum (twentieth), 94°; minimum (fifteenth), 43°.

August—It was clear and dry throughout, with one light thunder shower at the middle of the month. Owing to northerly winds the weather was moderate and equable, with but one or two very warm days. Mean temperature, 65.67°; maximum (twenty-ninth), 94°; minimum (first), 45°.

September—It was mainly dry and pleasant, with but seven days on which there were light thunder showers. The first half of the month was rather warmer than usual, the mean temperature being 65°; the last half was much cooler, with a mean temperature of about 59°—the mean of the whole month being 62.01°. Maximum (second), 92°; minimum (eighteenth), 40° (a light frost).

October—It was uncommonly dry, with but five days on which there were light rains. Good fall weather. Mean temperature, 50.47°; maximum (fourth), 79°; minimum (twenty-first), 32°.

November—The weather was mostly mild, with eleven moderately rainy days, and eleven fair days, the balance being cloudy and unsettled. Mean temperature, 40.62°; maximum (ninth), 57°; minimum (twenty-eighth), 23°.

December—It commenced with a week of good, pleasant weather; the middle of the month being moderately rainy and variable—the last part of it foggy or cloudy, and unsettled. The whole month was unusually mild in temperature. Mean temperature, 37.74°; maximum (twentieth), 55°; minimum (thirty-first), 26°.

The weather in 1888 was uncommonly dry in the spring months, though otherwise moderate and equable; but the unusually heavy precipitation in June sufficed to secure the well being of the farming interests; the absence of killing frosts still further tended to secure an abundant harvest, particularly of fruit. The temperature throughout the year, with the exception of the first half of January, was uncommonly uniform and equable, much nearer to the annual average than usual, though on this account less favorable to produce a water supply for the mining interest, which was comparatively a failure. Mean yearly temperature, 48.9°; highest, 94° on July twentieth, and lowest, 6° below zero on January fourteenth.

**Scott Valley, Siskiyou County.**—The rainfall for Scott Valley, Siskiyou County, was tabulated from the observations taken by Mr. Isaac Titcomb, of Walla Walla Creek, eight miles northwest of Fort Jones, beginning with August, 1859, being continuous to date:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1859 | | | | | | | | .50 | .87 | 1.00 | 4.33 | .75 | | 1859–60 | 18.66 |
| 1860 | 2.59 | 1.25 | 4.12 | .75 | 2.00 | .40 | 1.62 | .24 | .49 | 2.22 | 2.00 | 5.74 | 23.52 | 1860–61 | 22.27 |
| 1861 | 1.12 | 2.50 | 2.50 | 3.00 | .54 | .30 | none | none | none | .51 | 11.56 | 10.63 | 32 66 | 1861–62 | 40.86 |
| 1862 | 9.29 | 3.75 | 1.32 | 2.00 | 1.00 | .80 | .10 | none | .02 | .15 | .12 | 1.90 | 20.45 | 1862–63 | 15.57 |
| 1863 | 4.75 | 1.75 | 2.45 | 2.00 | .40 | 1.93 | .25 | .09 | .40 | .25 | 1.85 | 6.17 | 22.29 | 1863–64 | 15.85 |
| 1864 | 2.07 | .43 | .82 | 2.70 | .51 | .31 | none | .03 | .04 | .31 | 6.00 | 12.75 | 26.57 | 1864–65 | 25.82 |
| 1865 | 1.87 | 2.40 | 1.30 | .32 | .05 | .75 | .35 | .02 | 1.15 | 1.33 | 9.79 | 1.21 | 20.54 | 1865–66 | 35.50 |
| 1866 | 6.59 | 3.50 | 9.20 | .02 | 1.72 | .62 | .50 | .47 | none | .08 | 2.51 | 11.75 | 36.96 | 1866–67 | 28.88 |
| 1867 | 9.12 | 2.02 | .64 | 1.34 | .44 | .01 | none | .26 | .40 | .88 | 1.75 | 9.68 | 26.54 | 1867–68 | 23.61 |
| 1868 | 3.06 | 1.50 | 3.70 | 1.14 | .18 | 1.06 | none | none | .06 | .50 | .77 | 2.80 | 14.77 | 1868–69 | 18.16 |
| 1869 | 5.76 | 1.13 | 1.32 | 3.61 | 1.52 | .69 | .13 | none | 1.00 | .01 | 3.04 | 3.56 | 21.77 | 1869–70 | 20.00 |
| 1870 | 5.00 | 2.91 | 1.73 | 1.37 | 1.12 | .13 | none | none | .01 | .02 | 1.00 | 3.50 | 16.79 | 1870–71 | 13.56 |
| 1871 | 1.86 | 2.47 | 1.62 | 2.27 | .55 | .26 | .35 | none | .37 | .05 | 1.62 | 7.68 | 19.10 | 1871–72 | 23.21 |
| 1872 | 4.18 | 6.94 | 1.40 | .34 | .25 | .03 | .01 | .01 | .41 | .16 | 2.67 | 3.38 | 19.78 | 1872–73 | 13.32 |
| 1873 | 1.33 | 3.00 | 1.05 | 1.50 | .27 | .03 | .03 | .05 | .37 | .94 | 1.71 | 4.49 | 14.77 | 1873–74 | 21.81 |
| 1874 | 6.38 | 1.80 | 3.65 | 1.55 | .71 | .13 | .01 | .09 | none | 1.55 | 4.33 | .43 | 20.63 | 1874–75 | 12.72 |
| 1875 | 3.13 | .17 | 1.79 | .35 | .75 | .12 | .38 | .05 | none | 4.45 | 7.31 | 7.33 | 25.83 | 1875–76 | 31.13 |
| 1876 | 2.26 | 3.33 | 3.94 | .71 | 1.19 | .18 | .34 | 1.00 | 1.02 | 3.75 | .54 | .01 | 18.27 | 1876–77 | 19.12 |
| 1877 | 1.71 | 4.23 | 3.10 | 1.23 | 1.48 | .71 | .12 | .02 | .01 | .45 | .67 | 1.62 | 15.35 | 1877–78 | 23.47 |
| 1878 | 9.72 | 6.53 | 3.74 | .27 | .20 | .12 | .01 | .06 | .36 | 2.81 | 2.16 | 1.14 | 27.12 | 1878–79 | 26.05 |
| 1879 | 3.25 | 3.54 | 8.39 | 2.66 | 1.40 | .27 | .38 | .47 | .11 | .81 | 4.64 | 4.58 | 30.50 | 1879–80 | 33.31 |
| 1880 | 10.62 | 2.32 | 2.65 | 5.39 | 1.32 | .02 | .37 | .07 | none | .18 | .32 | 6.76 | 30.02 | 1880–81 | 31.37 |
| 1881 | 13.95 | 6.53 | .79 | 1.19 | .17 | 1.04 | .54 | .04 | .76 | 3.53 | 2.40 | 4.60 | 35.54 | 1881–82 | 28.08 |
| 1882 | 4.48 | 5.69 | 2.22 | 2.45 | 1.29 | .08 | 2.49 | none | 1.44 | 2.86 | 2.72 | 3.75 | 29.47 | 1882–83 | 24.36 |
| 1883 | 2.58 | 1.51 | 1.11 | 3.25 | 2.65 | none | .40 | .63 | .66 | 2.41 | 1.11 | 4.75 | 21.06 | 1883–84 | 26.41 |
| 1884 | 4.28 | 3.14 | 3.45 | 3.06 | 1.65 | .87 | 1.62 | .01 | .60 | 1.04 | .16 | 8.18 | 28.06 | 1884–85 | 22.49 |
| 1885 | 2.50 | 3.49 | .11 | 1.98 | 1.40 | 1.40 | 1.16 | .01 | .83 | .53 | 10.24 | 3.26 | 26.91 | 1885–86 | 30.92 |
| 1886 | 7.22 | 1.32 | 1.32 | 3.23 | 1.77 | .03 | 2.13 | .85 | none | 1.85 | .78 | 6.67 | 27.17 | 1886–87 | 27.40 |
| 1887 | 5.18 | 4.96 | 1.07 | 2.63 | .94 | .36 | .37 | .18 | .36 | .09 | 1.75 | 5.88 | 23.77 | 1887–88 | 25.20 |
| 1888 | 6.18 | 1.77 | 2.43 | .18 | 1.80 | 4.21 | .60 | .11 | .58 | .40 | 1.94 | 1.59 | 21.79 | 1888–89 | *7.33 |
| 1889 | 1.86 | .25 | | | | | | | | | | | | | |

* Up to March 1, 1889.

TABLE SHOWING THE AVERAGE AND HIGHEST AND LOWEST TEMPERATURE AND RAINFALL FOR THE SACRAMENTO VALLEY COUNTIES.

| STATIONS AND COUNTIES. | Elevation—Feet | Average Winter Temperature | Average Spring Temperature | Average Summer Temperature | Average Autumn Temperature | Average Annual Temperature | Highest Temperature | Lowest Temperature | Average Seasonal Rainfall—Inches |
|---|---|---|---|---|---|---|---|---|---|
| *Shasta County:* | | | | | | | | | |
| Redding | 565 | 47.8 | 61.1 | 81.0 | 65.3 | 63.8 | 110 | 18 | 36.66 |
| Anderson | 432 | 50.0 | 59.3 | 80.7 | 60.2 | 62.6 | 114 | 20 | 39.97 |
| *Tehama County:* | | | | | | | | | |
| Tehama | 220 | 47.7 | 61.9 | 81.3 | 64.1 | 63.8 | 115 | 21 | 15.39 |
| Red Bluff | 307 | 46.8 | 59.8 | 79.7 | 63.2 | 62.4 | 110 | 16 | 27.46 |
| *Butte County:* | | | | | | | | | |
| Chico | 193 | 47.3 | 62.4 | 81.3 | 64.2 | 63.8 | 110 | 18 | 20.84 |
| Oroville | 171 | 52.0 | 64.5 | 78.8 | 64.3 | 64.9 | 102 | 20 | 22.11 |
| *Colusa County:* | | | | | | | | | |
| Princeton | 67 | 48.2 | 61.4 | 78.7 | 63.3 | 62.8 | 114 | 20 | 15.25 |
| Williams | 89 | 47.4 | 61.6 | 79.7 | 63.9 | 63.2 | 114 | 19 | 12.09 |
| Willows | 132 | 45.8 | 63.1 | 81.3 | 63.4 | 63.4 | 112 | 19 | 12.03 |
| Orland | 254 | 51.9 | 65.1 | 82.9 | 67.9 | 66.9 | 113 | 22 | 16.36 |
| College City | ------ | 48.4 | 63.3 | 76.6 | 60.9 | 62.3 | 114 | 20 | 16.35 |
| *Sutter County:* | | | | | | | | | |
| Nicolaus | 40 | 50.9 | 57.7 | 77.7 | 61.7 | 62.0 | 111 | 18 | 19.57 |
| *Yuba County:* | | | | | | | | | |
| Marysville | 69 | 50.1 | 62.7 | 78.3 | 65.6 | 64.2 | 108 | 18 | 16.60 |
| *Placer County:* | | | | | | | | | |
| Rocklin | 249 | 46.9 | 61.4 | 78.3 | 63.0 | 62.4 | 114 | 19 | 19.45 |
| Auburn | 1,363 | 46.2 | 56.4 | 74.3 | 61.7 | 59.7 | 106 | 13 | 33.15 |
| Colfax | 2,421 | 46.0 | 55.9 | 76.0 | 60.2 | 59.5 | 106 | 16 | 45.16 |
| *El Dorado County:* | | | | | | | | | |
| Georgetown | 2,750 | 50.0 | 59.0 | 85.0 | 67.0 | 64.0 | 102 | 11 | 60.04 |
| *Amador County:* | | | | | | | | | |
| Ione | 287 | 49.1 | 60.5 | 78.0 | 64.6 | 64.0 | 110 | 19 | 20.06 |
| *Sacramento County:* | | | | | | | | | |
| Sacramento | 35 | 48.3 | 59.5 | 71.6 | 61.6 | 60.2 | 106 | 19 | 19.80 |
| Galt | 49 | 48.5 | 61.7 | 76.4 | 62.6 | 62.3 | 108 | 19 | 15.70 |
| Brighton | 53 | 47.4 | 59.9 | 74.8 | 61.9 | 61.2 | 109 | 19 | 16.44 |
| *Yolo County:* | | | | | | | | | |
| Knight's Landing | 35 | 48.0 | 60.6 | 75.9 | 63.0 | 61.9 | 110 | 20 | 16.77 |
| Woodland | 45 | 48.3 | 61.6 | 77.7 | 63.8 | 62.8 | 106 | 18 | 16.59 |
| Davisville | 51 | 49.7 | 62.4 | 77.0 | 65.7 | 63.7 | 118 | 19 | 15.95 |
| Dunnigan | 65 | 47.8 | 63.6 | 79.9 | 65.4 | 64.2 | 118 | 20 | 16.48 |
| *Solano County:* | | | | | | | | | |
| Fairfield or Suisun | 12 | 49.7 | 61.4 | 73.1 | 65.2 | 62.4 | 110 | 18 | 20.10 |
| South Vallejo | 23 | 50.0 | 59.5 | 66.8 | 61.4 | 59.4 | 105 | 24 | 14.32 |
| Benicia | 64 | 46.6 | 56.8 | 67.6 | 60.7 | 57.9 | 105 | 26 | 15.97 |

## Monthly Weather Report for 1888 of Eureka, Humboldt County.

Prepared by Maurice Connell, Observer Signal Corps.

| Month. | Mean Temperature | Maximum Temperature | Minimum Temperature | Days Below 32° | Mean Relative Humidity | Prevailing Wind | Maximum Wind Velocity | Clear Days | Fair Days | Cloudy Days | Days of Precipitation | Total Precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 44.6 | 77 | 20 | 11 | 84.5 | S.E. | 36 | 7 | 9 | 15 | 19 | 12.95 |
| February | 48.1 | 65 | 31 | 1 | 84.8 | N. | 36 | 6 | 13 | 10 | 10 | 1.98 |
| March | 47.7 | 68 | 32 | ------ | 79.1 | N. | 36 | 9 | 8 | 14 | 13 | 4.09 |
| April | 50.9 | 68 | 39 | ------ | 80.9 | N. | 33 | 6 | 15 | 9 | 10 | 1.05 |
| May | 53.0 | 71 | 44 | ------ | 85.1 | N. | 36 | 4 | 12 | 16 | 7 | 0.76 |
| June | 58.8 | 71 | 47 | ------ | 84.9 | N. | 34 | 2 | 13 | 15 | 15 | 4.66 |
| July | 56.6 | 73 | 48 | ------ | 88.0 | N. | 36 | 14 | 8 | 9 | 2 | 0.44 |
| August | 56.0 | 68 | 49 | ------ | 91.4 | N. | 24 | 9 | 8 | 14 | 0 | trace |
| September | 56.5 | 73 | 46 | ------ | 90.2 | N. | 36 | 14 | 7 | 9 | 3 | 0.06 |
| October | 53.0 | 67 | 40 | ------ | 91.0 | N. | 38 | 12 | 13 | 6 | 9 | 1.15 |
| November | 50.2 | 70 | 35 | ------ | 86.8 | N. | 34 | 8 | 7 | 15 | 14 | 3.41 |
| December | 53.0 | 66 | 38 | ------ | 83.8 | S.E. | 34 | 2 | 5 | 24 | 17 | 5.93 |
| Totals | ------ | ------ | ------ | 12 | ------ | ------ | ------ | 93 | 117 | 156 | 119 | 36.48 |
| Means | 52.4 | 77 in Jan. | 20 in Jan. | ------ | 85.9 | N. | 36 | ------ | ------ | ------ | ------ | ------ |

One thunder storm during the year.

## Yearly Weather Summary at Hydesville, California.

By E. T. Foss, Observer.

Average rainfall from January to December ..... 37.21 inches.
Greatest rainfall from January to December was in 1885 ..... 41.59 inches.
Least rainfall from January to December was in 1888 ..... 30.89 inches.
Average rainfall from July to June ..... 37.28 inches.
Greatest rainfall from July to June was in 1886 ..... 55.70 inches.
Least rainfall from July to June was in 1885 ..... 26.91 inches.
Average rainfall from September to May ..... 36.88 inches.
Greatest rainfall from September to May was in 1886 ..... 55.70 inches.
Least rainfall from September to May was in 1885 ..... 25.84 inches.

## Temperature and Rainfall at Wheatland.

The following monthly record of temperature and rainfall at Wheatland, Yuba County, was compiled and forwarded by Mr. William Lumbard, and shows the highest, lowest, mean temperature, and total rainfall for each month, and for the year 1887:

| Month. | Highest Temperature. | Lowest Temperature. | Mean Temperature. | Rainfall, in Inches. |
|---|---|---|---|---|
| January | 74 | 30 | 47.3 | 0.94 |
| February | 68 | 31 | 44.1 | 5.37 |
| March | 79 | 40 | 54.2 | 1.33 |
| April | 84 | 41 | 58.8 | 2.15 |
| May | 106 | 41 | 66.8 | 0.10 |
| June | 110 | 52 | 73.2 | 0.57 |
| July | 106 | 55 | 77.2 | .00 |
| August | 101 | 52 | 74.1 | .00 |
| September | 103 | 51 | 72.8 | 0.06 |
| October | 95 | 42 | 67.0 | .00 |
| November | 78 | 29 | 54.7 | 0.50 |
| December | 62 | 30 | 45.4 | 2.01 |
| Sums | 1,066 | 494 | 73.56 | 13.03 |
| Means | 8.88 | 41.1 | 61.3 | |

## Meteorological Report of Napa City.

By W. H. Martin, Druggist.

Showing average temperature and average maximum and minimum temperature, highest and lowest temperature, and total precipitation from July, 1877, to date:

| Year. | July. | | | | August. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1877 | 67.8 | 79.9 | 55.7 | .11 | 64.2 | 76.2 | 52.2 | |
| 1878 | 64.5 | 77.0 | 52.0 | | 64.5 | 75.8 | 53.2 | .01 |
| 1879 | 64.0 | 75.1 | 52.9 | | 64.9 | 77.0 | 52.8 | |
| 1880 | 63.4 | 74.2 | 52.6 | | 62.2 | 74.9 | 49.5 | |
| 1881 | 65.9 | 78.4 | 53.5 | | 63.0 | 75.4 | 50.6 | |
| 1882 | 63.8 | 75.3 | 52.3 | | 62.4 | 73.7 | 51.1 | |
| 1883 | 63.4 | 74.7 | 52.1 | | 63.4 | 76.2 | 50.6 | |
| 1884 | 65.9 | 80.0 | 51.9 | | 62.8 | 76.2 | 49.4 | |
| 1885 | 64.2 | 73.3 | 55.1 | | 61.9 | 70.2 | 53.6 | |
| 1886 | 66.0 | 76.9 | 55.1 | | 65.5 | 77.0 | 54.0 | |
| 1887 | 61.0 | 71.7 | 50.3 | | 60.6 | 70.4 | 50.8 | |
| 1888 | 65.1 | 76.1 | 54.1 | .03 | 65.9 | 77.3 | 54.5 | |
| Averages | 64.3 | 76.0 | 53.4 | .01 | 64.6 | 76.0 | 53.0 | |

METEOROLOGICAL REPORT OF NAPA CITY—Continued.

| YEAR. | SEPTEMBER. | | | | OCTOBER. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1877 | 65.5 | 79.0 | 52.0 | ..... | 58.0 | 69.3 | 46.7 | .69 |
| 1878 | 61.5 | 74.3 | 48.9 | 1.50 | 58.8 | 70.0 | 47.7 | 2.54 |
| 1879 | 63.3 | 77.0 | 49.7 | ..... | 60.7 | 74.8 | 46.6 | .83 |
| 1880 | 61.5 | 74.4 | 48.6 | ..... | 56.1 | 65.9 | 46.3 | ..... |
| 1881 | 61.6 | 74.2 | 49.1 | .26 | 53.9 | 64.1 | 43.7 | .47 |
| 1882 | 63.7 | 73.5 | 54.0 | .48 | 49.9 | 55.0 | 44.8 | 2.93 |
| 1883 | 64.2 | 76.1 | 52.4 | 1.10 | 55.6 | 63.6 | 47.7 | 1.69 |
| 1884 | 58.0 | 70.3 | 45.7 | .21 | 54.4 | 64.6 | 44.2 | 1.62 |
| 1885 | 62.9 | 72.9 | 52.9 | .07 | 58.6 | 68.1 | 49.2 | .62 |
| 1886 | 62.0 | 73.0 | 51.0 | ..... | 54.7 | 63.7 | 45.7 | .89 |
| 1887 | 62.5 | 73.8 | 51.2 | .22 | 61.2 | 72.8 | 49.6 | ..... |
| 1888 | 65.1 | 75.6 | 54.6 | 1.08 | 59.3 | 70.0 | 48.7 | ..... |
| Averages | 63.8 | 75.0 | 52.6 | .41 | 57.9 | 68.2 | 47.6 | 1.02 |

| YEAR. | NOVEMBER. | | | | DECEMBER. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1877 | 52.6 | 61.1 | 44.2 | 1.82 | 46.8 | 55.0 | 38.6 | 1.86 |
| 1878 | 51.4 | 60.8 | 42.1 | .95 | 45.0 | 55.0 | 35.0 | 1.15 |
| 1879 | 50.5 | 59.7 | 41.3 | 3.95 | 42.8 | 49.9 | 35.8 | 7.26 |
| 1880 | 48.9 | 59.8 | 38.1 | .08 | 47.7 | 52.1 | 43.3 | 11.36 |
| 1881 | 49.1 | 59.3 | 39.0 | 1.59 | 44.3 | 51.1 | 37.6 | 4.31 |
| 1882 | 46.9 | 55.0 | 38.8 | 4.02 | 45.6 | 54.3 | 37.0 | 3.55 |
| 1883 | 47.2 | 56.5 | 38.0 | .73 | 41.1 | 49.8 | 32.4 | .63 |
| 1884 | 51.7 | 60.4 | 43.0 | ..... | 47.9 | 55.9 | 39.9 | 10.32 |
| 1885 | 52.3 | 58.0 | 46.6 | 9.37 | 48.4 | 54.2 | 42.6 | 4.21 |
| 1886 | 47.5 | 57.1 | 37.9 | .22 | 47.5 | 53.4 | 41.6 | 2.96 |
| 1887 | 50.8 | 60.8 | 40.8 | 1.55 | 45.1 | 52.5 | 37.8 | 3.71 |
| 1888 | 50.7 | 57.9 | 43.6 | 3.12 | 47.3 | 52.4 | 42.3 | 5.18 |
| Averages | 50.3 | 58.4 | 42.3 | 2.28 | 46.4 | 52.7 | 40.2 | 4.71 |

| YEAR. | JANUARY. | | | | FEBRUARY. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1878 | 48.1 | 54.6 | 41.6 | 15.31 | 48.2 | 55.1 | 42.3 | 13.82 |
| 1879 | 44.2 | 53.9 | 34.5 | 5.10 | 50.9 | 59.0 | 42.8 | 5.77 |
| 1880 | 42.0 | 50.3 | 33.8 | 3.64 | 46.0 | 53.8 | 38.2 | 2.19 |
| 1881 | 49.4 | 54.4 | 43.4 | 12.72 | 52.8 | 58.2 | 47.5 | 3.15 |
| 1882 | 43.0 | 50.6 | 35.4 | 3.22 | 43.2 | 50.8 | 35.6 | 3.65 |
| 1883 | 39.7 | 47.1 | 32.3 | .92 | 42.8 | 50.6 | 35.0 | 1.00 |
| 1884 | 43.2 | 54.0 | 32.4 | 3.67 | 51.8 | 62.3 | 41.4 | 5.22 |
| 1885 | 43.4 | 49.2 | 37.7 | 1.77 | 50.6 | 57.8 | 43.4 | .61 |
| 1886 | 44.7 | 49.6 | 39.8 | 7.86 | 51.1 | 59.1 | 43.1 | .25 |
| 1887 | 45.1 | 53.0 | 37.2 | 1.70 | 41.0 | 48.0 | 34.0 | 10.62 |
| 1888 | 41.4 | 46.5 | 36.3 | 4.15 | 48.9 | 56.6 | 41.3 | 1.28 |
| Averages | 44.0 | 51.2 | 36.8 | 5.46 | 47.9 | 55.5 | 40.4 | 4.32 |

METEOROLOGICAL REPORT OF NAPA CITY—Continued.

| YEAR. | MARCH. | | | | APRIL. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1878 | 53.1 | 61.0 | 45.2 | 4.97 | 54.5 | 64.9 | 44.1 | 1.50 |
| 1879 | 54.0 | 64.1 | 46.6 | 9.40 | 56.6 | 65.5 | 47.8 | 2.38 |
| 1880 | 47.9 | 57.2 | 38.5 | 2 61 | 52.0 | 58.7 | 45.3 | 12.25 |
| 1881 | 51.4 | 60.6 | 42.3 | 1.35 | 56.5 | 65.0 | 48.0 | 1.59 |
| 1882 | 49.0 | 58.0 | 40.0 | 3.60 | 57.0 | 63.3 | 40.7 | 1.74 |
| 1883 | 50.9 | 58.4 | 43.4 | 5.53 | 51.8 | 61.3 | 42.3 | 1.85 |
| 1884 | 50.0 | 58.1 | 41.9 | 7.12 | 52.5 | 61.8 | 43.2 | 5.68 |
| 1885 | 54.0 | 62.4 | 45.6 | .49 | 57.9 | 66.3 | 49.5 | 1.66 |
| 1886 | 48.8 | 57.8 | 39.8 | 1.22 | 52.5 | 59.6 | 45.4 | 3.82 |
| 1887 | 51.9 | 61.2 | 42.7 | .48 | 54.6 | 64.3 | 44.9 | 2.03 |
| 1888 | 49.5 | 57.6 | 41.4 | 4.34 | 57.8 | 69.1 | 46.5 | .47 |
| Averages | 51.0 | 59.6 | 42.4 | 3.74 | 54.8 | 63.6 | 45.2 | 3.18 |

| YEAR. | MAY. | | | | JUNE. | | | |
|---|---|---|---|---|---|---|---|---|
| | Mean. | Average Max. | Average Min. | Rain for Month. | Mean. | Average Max. | Average Min. | Rain for Month. |
| 1878 | 59.8 | 70.6 | 49.0 | .40 | 64.0 | 75.1 | 52.9 | ..... |
| 1879 | 56.9 | 65.8 | 48.1 | 1.53 | 64.8 | 76.8 | 52.8 | 0.5 |
| 1880 | 59.1 | 69.2 | 49.0 | 1.39 | 61.8 | 73.7 | 49.9 | ..... |
| 1881 | 60.1 | 72.7 | 47.6 | .11 | 61.3 | 73.3 | 49.3 | .72 |
| 1882 | 59.0 | 71.3 | 46.7 | .15 | 60.6 | 71.0 | 50.2 | ..... |
| 1883 | 57.7 | 69.6 | 45.7 | 5.25 | 67.2 | 79.1 | 55.3 | ..... |
| 1884 | 59.1 | 70.1 | 48.1 | .35 | 60.6 | 69.6 | 51.6 | 2.72 |
| 1885 | 58.7 | 69.6 | 49.9 | .05 | 60.6 | 69.1 | 52.1 | .04 |
| 1886 | 58.0 | 68.0 | 48.0 | .32 | 63.7 | 74.9 | 52.5 | ..... |
| 1887 | 57.6 | 67.6 | 47.6 | .05 | 63.1 | 74.7 | 51.5 | ..... |
| 1888 | 57.2 | 65.8 | 48.6 | .94 | 63.5 | 73.9 | 53.1 | .42 |
| Averages | 58.5 | 69.1 | 48.0 | .96 | 62.8 | 73.7 | 51.9 | .36 |

The following yearly mean temperature and rainfall is for the year beginning with July and ending with June, and not for the twelve calendar months, and furnished by W. H. Martin, druggist, of Napa:

| YEAR. | AVERAGE. | | | RAIN. |
|---|---|---|---|---|
| | Yearly Mean. | Yearly Max. | Yearly Min. | Fall for Year. |
| 1877–78 | 56.9 | 66.8 | 47.6 | 40.48 |
| 1878–79 | 56.0 | 66.5 | 45.9 | 30.38 |
| 1879–80 | 54.6 | 64.7 | 44.4 | 34.12 |
| 1880–81 | 55.9 | 65.5 | 46.4 | 31.08 |
| 1881–82 | 53.7 | 63.9 | 43.5 | 18.99 |
| 1882–83 | 53.5 | 62.7 | 44.3 | 25.53 |
| 1883–84 | 54.3 | 64.4 | 44.3 | 28.91 |
| 1884–85 | 55.5 | 65.1 | 46.0 | 16.77 |
| 1885–86 | 55.5 | 63.8 | 47.3 | 27.74 |
| 1886–87 | 54.6 | 64.1 | 45.2 | 18.95 |
| 1887–88 | 54.9 | 64.2 | 45.6 | 17.08 |
| Averages for eleven years | 55.0 | 64.6 | 45.4 | 26.36 |

*Napa Weather for 1888.*

| Month. | Highest Temperature | Lowest Temperature | Mean Daily Range | Prevailing Direction of Wind | Clear Days | Fair Days | Cloudy Days |
|---|---|---|---|---|---|---|---|
| January | 57 | 23 | 10.2 | N. | 2 | 12 | 17 |
| February | 73 | 34 | 15.3 | S.S. | 16 | 11 | 2 |
| March | 70 | 33 | 16.3 | S.S. | 16 | 11 | 5 |
| April | 79 | 37 | 22.5 | S.S. | 19 | 11 | 0 |
| May | 79 | 41 | 17.2 | S.W. | 9 | 21 | 1 |
| June | 84 | 46 | 20.8 | S.S. | 16 | 10 | 4 |
| July | 91 | 46 | 22.0 | S.S. | 19 | 11 | 1 |
| August | 90 | 51 | 22.7 | S.S. | 20 | 11 | 0 |
| September | 90 | 49 | 21.1 | S.S. | 18 | 9 | 3 |
| October | 81 | 42 | 21.2 | S.S. | 16 | 15 | 0 |
| November | 70 | 34 | 14.3 | S.S. | 12 | 8 | 10 |
| December | 59 | 35 | 10.1 | N. | 6 | 16 | 9 |

Average temperature, highest and lowest temperature, rainfall, clear days, etc., for January, February, and March, 1889, by W. H. Martin, druggist, Napa City:

| Month. | Mean Temperature | Mean Max. Temperature | Mean Min. Temperature | Max. Temperature | Min. Temperature | Mean Range of Temperature | Total Precipitation—In. | Prev. Winds | Clear Days | Fair Days | Cloudy Days |
|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 41.6 | 48.9 | 34.3 | 56 | 30 | 14.5 | 1.02 | N. | 21 | 6 | 4 |
| February | 46.4 | 55.3 | 37.4 | 66 | 27 | 17.8 | .76 | N.&S. | 13 | 13 | 2 |
| March | 53.2 | 60.8 | 45.5 | 74 | 38 | 15.3 | 8.38 | N.&S. | 9 | 12 | 10 |

Rainy days for each month in the year, along with the yearly totals and the monthly and yearly averages, from November, 1876, to date, by W. H. Martin, druggist, Napa City:

| Year. | January | February | March | April | May | June | July | August | September | October | November | December | Total for Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1876 | | | | | | | | | | | 1 | 0 | |
| 1877 | 11 | 7 | 6 | 6 | 3 | 1 | 2 | 0 | 0 | 4 | 9 | 7 | 56 |
| 1878 | 18 | 21 | 12 | 5 | 2 | 0 | 0 | 1 | 3 | 3 | 2 | 5 | 72 |
| 1879 | 10 | 9 | 15 | 8 | 7 | 1 | 0 | 0 | 0 | 2 | 9 | 14 | 75 |
| 1880 | 7 | 9 | 8 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 63 |
| 1881 | 9 | 9 | 5 | 6 | 2 | 2 | 0 | 0 | 2 | 3 | 3 | 13 | 54 |
| 1882 | 9 | 10 | 11 | 7 | 1 | 1 | 0 | 0 | 2 | 6 | 7 | 6 | 60 |
| 1883 | 2 | 5 | 4 | 4 | 8 | 1 | 0 | 0 | 2 | 6 | 3 | 5 | 40 |
| 1884 | 9 | 10 | 16 | 11 | 4 | 7 | 0 | 1 | 2 | 3 | 0 | 11 | 74 |
| 1885 | 7 | 2 | 3 | 5 | 1 | 1 | 1 | 0 | 2 | 1 | 18 | 8 | 49 |
| 1886 | 9 | 1 | 8 | 11 | 2 | 0 | 0 | 0 | 0 | 6 | 2 | 7 | 46 |
| 1887 | 7 | 16 | 4 | 8 | 1 | 1 | 1 | 0 | 1 | 0 | 4 | 10 | 53 |
| 1888 | 14 | 6 | 7 | 1 | 3 | 5 | 1 | 0 | 2 | 0 | 10 | 15 | 64 |
| 1889 | 4 | 4 | 14 | | | | | | | | | | |
| Monthly averages | 8.9 | 8.3 | 8.7 | 7.4 | 3 | 1.4 | 0.4 | 0.2 | 1.3 | 2.8 | 5.3 | 9.1 | 58.4 |

## Daily Normal Temperature at San Francisco.

The following table of normal temperatures for each day of each month, at San Francisco, as deduced from three daily observations for fifteen years, was furnished by Nelson Gorom, Observer in charge of the San Francisco local Signal Office:

| Date. | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.3 | 52.2 | 54.4 | 55.1 | 56.4 | 57.9 | 58.5 | 59.1 | 59.8 | 59.4 | 57.3 | 54.7 |
| 2 | 50.7 | 52.7 | 54.6 | 54.7 | 56.8 | 57.7 | 58.4 | 59.2 | 60.6 | 59.2 | 56.0 | 53.1 |
| 3 | 50.0 | 52.4 | 54.0 | 54.4 | 55.6 | 58.0 | 58.3 | 58.3 | 60.0 | 60.2 | 55.9 | 52.7 |
| 4 | 50.3 | 52.3 | 52.7 | 54.6 | 55.6 | 58.9 | 58.9 | 58.6 | 59.9 | 58.9 | 57.1 | 53.6 |
| 5 | 52.3 | 51.0 | 54.0 | 53.5 | 55.5 | 60.2 | 58.4 | 58.8 | 59.0 | 59.0 | 57.0 | 54.0 |
| 6 | 51.0 | 50.6 | 53.4 | 53.1 | 56.0 | 60.0 | 58.0 | 58.9 | 58.3 | 59.9 | 57.7 | 53.2 |
| 7 | 51.7 | 50.6 | 52.9 | 53.9 | 57.1 | 58.7 | 58.4 | 58.3 | 58.6 | 61.1 | 58.3 | 52.6 |
| 8 | 51.3 | 51.4 | 52.7 | 54.9 | 56.2 | 58.9 | 59.0 | 58.4 | 58.7 | 60.5 | 57.8 | 51.4 |
| 9 | 50.5 | 51.5 | 52.9 | 54.6 | 55.3 | 58.9 | 58.9 | 58.6 | 58.9 | 59.2 | 57.7 | 50.8 |
| 10 | 50.3 | 51.1 | 53.1 | 53.9 | 55.4 | 59.1 | 58.8 | 58.7 | 59.8 | 59.9 | 56.1 | 50.9 |
| 11 | 49.3 | 50.7 | 53.7 | 54.0 | 55.4 | 60.0 | 58.9 | 57.9 | 60.3 | 60.0 | 56.1 | 50.5 |
| 12 | 48.5 | 51.0 | 53.6 | 53.8 | 54.7 | 60.0 | 59.4 | 57.8 | 60.4 | 58.9 | 55.4 | 50.3 |
| 13 | 49.2 | 51.6 | 52.5 | 53.1 | 54.7 | 58.7 | 58.9 | 58.1 | 60.7 | 57.3 | 55.4 | 51.0 |
| 14 | 50.7 | 51.1 | 52.7 | 54.3 | 54.8 | 57.4 | 58.7 | 58.5 | 61.0 | 57.9 | 56.3 | 51.7 |
| 15 | 50.2 | 51.8 | 52.9 | 54.7 | 55.1 | 57.7 | 58.8 | 58.2 | 60.0 | 58.9 | 55.9 | 51.6 |
| 16 | 51.0 | 52.0 | 52.6 | 53.8 | 55.7 | 57.8 | 58.7 | 57.6 | 59.9 | 59.5 | 56.0 | 51.0 |
| 17 | 50.4 | 51.7 | 52.8 | 53.9 | 55.6 | 57.9 | 58.2 | 58.2 | 59.6 | 61.4 | 55.5 | 50.2 |
| 18 | 50.3 | 50.9 | 54.5 | 53.6 | 56.5 | 58.6 | 57.6 | 58.5 | 58.9 | 61.3 | 54.8 | 51.2 |
| 19 | 51.2 | 51.6 | 54.2 | 54.0 | 56.7 | 59.2 | 57.6 | 57.8 | 59.7 | 59.9 | 54.1 | 52.3 |
| 20 | 49.9 | 53.0 | 54.1 | 53.9 | 56.1 | 59.6 | 57.8 | 57.3 | 60.8 | 58.9 | 55.1 | 52.3 |
| 21 | 50.0 | 53.6 | 53.9 | 55.2 | 56.4 | 57.7 | 57.6 | 57.9 | 61.7 | 59.4 | 55.7 | 51.9 |
| 22 | 51.3 | 53.8 | 54.6 | 55.8 | 56.3 | 58.2 | 57.7 | 58.1 | 60.3 | 59.2 | 56.1 | 51.9 |
| 23 | 51.1 | 53.8 | 54.0 | 56.5 | 57.3 | 58.1 | 57.7 | 58.2 | 59.8 | 58.8 | 55.7 | 52.4 |
| 24 | 50.8 | 52.4 | 54.6 | 56.1 | 58.0 | 56.9 | 57.9 | 59.2 | 59.6 | 58.2 | 55.0 | 53.3 |
| 25 | 50.9 | 52.7 | 54.5 | 54.4 | 58.7 | 57.2 | 57.9 | 58.8 | 61.2 | 58.5 | 53.5 | 52.7 |
| 26 | 50.3 | 53.3 | 55.5 | 54.4 | 58.0 | 58.6 | 58.8 | 59.2 | 58.8 | 59.7 | 53.4 | 51.5 |
| 27 | 50.5 | 52.9 | 55.6 | 54.9 | 57.9 | 57.0 | 58.7 | 59.6 | 59.0 | 58.8 | 54.2 | 51.5 |
| 28 | 50.6 | 52.6 | 54.5 | 55.8 | 57.1 | 57.6 | 58.6 | 59.1 | 60.0 | 58.0 | 54.4 | 51.5 |
| 29 | 51.5 | 51.5 | 54.7 | 55.2 | 57.4 | 58.2 | 58.8 | 59.6 | 59.9 | 57.7 | 55.6 | 50.1 |
| 30 | 51.4 | ------ | 53.9 | 55.7 | 58.5 | 58.1 | 58.6 | 60.5 | 58.9 | 57.2 | 55.0 | 49.9 |
| 31 | 51.5 | ------ | 54.6 | ------ | 58.7 | ------ | 59.5 | 59.3 | ------ | 57.6 | ------ | 49.7 |
| Monthly | 50.6 | 52.0 | 53.8 | 54.5 | 56.4 | 58.4 | 58.5 | 58.6 | 59.8 | 59.2 | 55.8 | 51.8 |

## Monthly Weather Report of San Francisco for 1888.

Prepared by Nelson Gorom, Observer Signal Corps.

| Month. | Mean Temperature | Maximum Temperature | Minimum Temperature | Number of Days above 90° | Number of Days below 32° | Mean Monthly Relative Humidity | Prevailing Wind | Maximum Wind Velocity | Clear Days | Fair Days | Cloudy Days | Days of Precipitation | Number of Foggy Days | Total Precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 46.3 | 62.8 | 28.7 | 0 | 3 | 76.0 | S.E. | 40 | 8 | 7 | 16 | 16 | 0 | 6.81 |
| February | 52.8 | 76.3 | 41.9 | 0 | 0 | 76.2 | W. | 25 | 12 | 11 | 6 | 5 | 0 | 0.94 |
| March | 52.5 | 73.7 | 38.0 | 0 | 0 | 72.9 | W. | 36 | 13 | 9 | 9 | 11 | 0 | 3.60 |
| April | 56.2 | 87.7 | 46.0 | 0 | 0 | 73.9 | W. | 36 | 13 | 13 | 4 | 2 | 0 | 0.11 |
| May | 55.4 | 81.1 | 47.4 | 0 | 0 | 77.7 | W. | 29 | 5 | 14 | 12 | 5 | 0 | 0.38 |
| June | 61.0 | 79.9 | 53.2 | 0 | 0 | 76.6 | W. | 35 | 12 | 10 | 8 | 8 | 0 | 0.27 |
| July | 59.1 | 93.4 | 51.0 | 1 | 0 | 78.7 | S.W. | 35 | 9 | 18 | 4 | 1 | 0 | 0.01 |
| August | 57.8 | 85.1 | 50.8 | 0 | 0 | 83.2 | S.W. | 34 | 13 | 16 | 2 | 0 | 0 | 0.01 |
| September | 59.0 | 87.7 | 50.1 | 0 | 0 | 83.5 | W. | 34 | 10 | 16 | 4 | 2 | 0 | 0.98 |
| October | 58.6 | 86.7 | 49.5 | 0 | 0 | 78.2 | W. | 32 | 14 | 14 | 3 | 2 | 2 | 0.13 |
| November | 55.1 | 74.3 | 47.0 | 0 | 0 | 80.1 | W. | 26 | 8 | 12 | 10 | 7 | 0 | 3.99 |
| December | 52.4 | 64.7 | 43.1 | 0 | 0 | 85.2 | N.W. | 25 | 0 | 15 | 16 | 17 | 0 | 5.80 |
| Sums | 666.2 | 953.5 | 546.7 | 1 | 3 | 942.2 | ------ | ------ | 117 | 155 | 94 | 76 | 2 | 23.03 |
| Means | 55.5 | 79.5 | 45.6 | 0.1 | 0.2 | 78.5 | W. | ------ | ------ | ------ | ---- | ---- | ---- | ------ |

**Rainfall at San Francisco.**—The rainfall from 1849 to 1875, in the following table, was taken from the report of the State Agricultural Society for 1874, and was furnished to that society by Thomas Tennent. The rainfall from 1875 to date is compiled from the reports of the Signal Office:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1849 | | | | | | | none | none | none | 3.14 | 8.66 | 6.20 | | | |
| 1850 | 8.34 | 1.77 | 4.53 | .46 | none | none | none | none | .33 | none | .92 | 1.05 | 17.40 | 1849–50 | 33.10 |
| 1851 | .72 | .54 | 1.94 | 1.23 | .67 | none | none | none | 1.03 | .21 | 2.12 | 7.10 | 15.56 | 1850–51 | 7.40 |
| 1852 | .58 | .14 | 6.68 | .26 | .32 | none | none | none | none | .80 | 5.31 | 13.20 | 27.29 | 1851–52 | 18.44 |
| 1853 | 3.92 | 1.42 | 4.86 | 5.37 | .35 | none | none | .04 | .46 | .12 | 2.28 | 2.32 | 21.14 | 1852–53 | 35.23 |
| 1854 | 3.88 | 8.04 | 3.51 | 3.12 | .02 | .08 | none | .01 | .15 | 2.41 | .34 | .81 | 22.37 | 1853–54 | 23.87 |
| 1855 | 3.67 | 4.77 | 4.64 | 5.00 | 1.88 | none | none | none | none | none | .67 | 5.76 | 26.39 | 1854–55 | 23.68 |
| 1856 | 9.40 | .50 | 1.60 | 2.94 | .76 | .03 | .02 | none | .07 | .45 | 2.79 | 3.75 | 22.31 | 1855–56 | 21.66 |
| 1857 | 2.45 | 8.59 | 1.62 | none | .02 | .12 | none | .05 | none | .93 | 3.01 | 4.14 | 20.93 | 1856–57 | 19.88 |
| 1858 | 4.36 | 1.83 | 5.55 | 1.55 | .34 | .05 | .05 | .16 | none | 2.74 | .69 | 6.14 | 23.46 | 1857–58 | 21.81 |
| 1859 | 1.28 | 6.32 | 3.02 | .27 | 1.55 | none | none | .02 | .03 | .05 | 7.28 | 1.57 | 21.39 | 1858–59 | 22.22 |
| 1860 | 1.64 | 1.60 | 3.99 | 3.14 | 2.86 | .09 | .21 | none | none | .19 | .58 | 6.16 | 20.46 | 1859–60 | 22.27 |
| 1861 | 2.47 | 3.72 | 4.08 | .51 | 1.00 | .08 | none | none | .02 | none | 4.10 | 9.54 | 25.52 | 1860–61 | 19.00 |
| 1862 | 24.36 | 7.53 | 2.20 | .73 | .74 | .05 | none | none | none | .40 | .15 | 2.35 | 38.51 | 1861–62 | 49.27 |
| 1863 | 3.63 | 3.19 | 2.06 | 1.04 | .26 | none | none | none | .03 | none | 2.55 | 1.80 | 14.56 | 1862–63 | 13.08 |
| 1864 | 1.83 | none | 1.52 | 1.57 | .78 | none | none | .21 | .01 | .13 | 6.68 | 8.91 | 21.64 | 1863–64 | 10.08 |
| 1865 | 5.14 | 1.34 | .74 | .94 | .63 | none | none | none | .24 | .26 | 4.19 | .58 | 14.06 | 1864–65 | 24.73 |
| 1866 | 10.88 | 2.12 | 3.04 | .12 | 1.46 | .04 | none | none | .11 | none | 3.35 | 15.16 | 36.28 | 1865–66 | 22.93 |
| 1867 | 5.16 | 7.20 | 1.58 | 2.36 | none | none | none | none | .04 | .20 | 3.41 | 10.69 | 30.64 | 1866–67 | 34.92 |
| 1868 | 9.50 | 6.13 | 6.30 | 2.31 | .03 | .23 | none | none | none | .15 | 1.18 | 4.34 | 30.17 | 1867–68 | 38.84 |
| 1869 | 6.35 | 3.90 | 3.14 | 2.19 | .08 | .02 | none | none | .12 | 1.29 | 1.19 | 4.31 | 22.59 | 1868–69 | 21.35 |
| 1870 | 3.89 | 4.78 | 2.00 | 1.53 | .20 | none | none | none | .03 | none | .43 | 3.38 | 16.24 | 1869–70 | 19.31 |
| 1871 | 3.07 | 3.76 | 1.29 | 1.93 | .21 | none | none | none | .03 | .11 | 3.72 | 16.74 | 30.86 | 1870–71 | 14.10 |
| 1872 | 4.22 | 6.97 | 1.64 | 1.10 | .16 | .02 | none | none | .14 | .21 | 2.62 | 7.25 | 24.33 | 1871–72 | 34.71 |
| 1873 | 2.17 | 4.24 | .78 | .52 | .01 | .08 | .03 | .15 | none | .68 | 1.31 | 10.12 | 20.09 | 1872–73 | 18.02 |
| 1874 | 4.85 | 1.83 | 3.55 | 1.04 | .34 | .08 | none | none | .83 | 2.73 | 5.92 | .28 | 21.46 | 1873–74 | 23.98 |
| 1875 | 6.97 | .20 | 1.08 | .02 | .11 | 1.01 | none | none | none | .24 | 7.27 | 4.15 | 21.05 | 1874–75 | 19.15 |
| 1876 | 7.55 | 4.92 | 5.49 | 1.29 | .24 | .04 | .01 | .01 | .38 | 3.36 | .25 | none | 23.54 | 1875–76 | 31.19 |
| 1877 | 4.32 | 1.18 | 1.08 | .20 | .18 | .91 | .02 | none | none | .65 | 1.57 | 2.66 | 11.93 | 1876–77 | 11.04 |
| 1878 | 11.97 | 12.52 | 4.56 | 1.06 | .16 | .01 | .01 | none | .55 | 1.27 | .57 | .58 | 33.26 | 1877–78 | 35.18 |
| 1879 | 3.52 | 4.90 | 8.75 | 1.89 | 2.35 | .05 | .01 | .02 | sprin. | .78 | 4.03 | 4.46 | 30.76 | 1878–79 | 24.44 |
| 1880 | 2.23 | 1.87 | 2.08 | 10.06 | 1.12 | none | none | none | none | .05 | .33 | 12.33 | 30.07 | 1879–80 | 26.66 |
| 1881 | 8.69 | 4.64 | .90 | 2.00 | .22 | .09 | none | none | .25 | .54 | 1.94 | 3.85 | 23.72 | 1880–81 | 29.85 |
| 1882 | 1.68 | 2.96 | 3.45 | 1.22 | .21 | .04 | none | none | .26 | 2.66 | 4.18 | 2.01 | 18.67 | 1881–82 | 16.14 |
| 1883 | 1.92 | 1.04 | 3.01 | 1.51 | 3.52 | .01 | none | none | .42 | 1.48 | 1.60 | .92 | 15.43 | 1882–83 | 20.12 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1884 | 3.94 | 6.65 | 8.24 | 6.33 | .23 | 2.57 | sprin. | .04 | .33 | 2.55 | .26 | 7.68 | 38.82 | 1883–84 | 32.38 |
| 1885 | 2.53 | .30 | 1.01 | 3.17 | .04 | .19 | .06 | sprin. | .11 | .72 | 11.78 | 4.99 | 24.90 | 1884–85 | 18.10 |
| 1886 | 7.42 | .24 | 2.07 | 5.28 | .37 | .01 | .23 | sprin. | .01 | 1.48 | .84 | 2.07 | 26.02 | 1885–86 | 33.05 |
| 1887 | 1.90 | 9.24 | .84 | 2.30 | .03 | .07 | sprin. | .01 | .29 | sprin. | .99 | 3.34 | 19.01 | 1886–87 | 19.01 |
| 1888 | 6.81 | .94 | 3.60 | .11 | .38 | .27 | .01 | .01 | .98 | .13 | 3.99 | 5.80 | 23.03 | 1887–88 | 16.74 |
| 1889 | 1.28 | .72 | 7.78 | | | | | | | | | | | 1888–89 | * 20.70 |

* Up to April 1, 1889.

**San Francisco, California, Annual Meteorological Review.**—Showing the climatic condition in all its features for seventeen years, from 1872 to 1888, both years inclusive; compiled by Nelson Gorom, Observer in charge of the local Signal Station:

| Annual Weather Review for Year: | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average barometer | 30.039 | 30.029 | 30.020 | 30.026 | 30.007 | 29.994 | 29.976 | 30.033 | 30.047 | 30.044 | 30.060 | 30.054 | 30.001 | 30.028 | 30.041 | 30.038 | 30.016 |
| Highest barometer | 30.48 | 30.49 | 30.41 | 30.41 | 30.42 | 30.42 | 30.43 | 30.59 | 30.49 | 30.41 | 30.49 | 30.67 | 30.54 | 30.45 | 30.40 | 30 56 | 30.57 |
| Lowest barometer | 29.43 | 29.54 | 29.55 | 29.65 | 29.36 | 29.66 | 29.43 | 29.29 | 29.48 | 29.67 | 29.74 | 29.63 | 29.43 | 29.42 | 29.32 | 29.53 | 29.47 |
| Range of barometer | 1.05 | 0.95 | 0.86 | 0.76 | 1.06 | 0.76 | 1.00 | 1.30 | 1.01 | 0.74 | 0.75 | 0.94 | 1.11 | 1.03 | 1.08 | 1.03 | 1.10 |
| Average temperature | 56.2 | 55.9 | 55.7 | 55.7 | 56.3 | 57.3 | 56.6 | 56.1 | 54.2 | 55.8 | 54.4 | 54.7 | 55.7 | 56.9 | 56.1 | 55.2 | 55.5 |
| Highest temperature | 92.0 | 79.0 | 89.0 | 82.0 | 93.0 | 92.0 | 78.0 | 89.0 | 83.5 | 83.0 | 83.0 | 95.2 | 83.0 | 87.0 | 93.9 | 96.9 | 93.4 |
| Lowest temperature | 41.0 | 40.0 | 39.0 | 39.0 | 36.0 | 42.0 | 39.0 | 34.0 | 37.0 | 40.0 | 34.5 | 35.0 | 35.0 | 43.0 | 41.0 | 33.1 | 28.7 |
| Range of temperature | 51.0 | 39.0 | 50.0 | 43.0 | 57.0 | 50.0 | 39.0 | 55.0 | 46.5 | 43.0 | 48.5 | 60.2 | 48.0 | 44.0 | 52.9 | 63.8 | 64.7 |
| Greatest range of temperature | 40.0 | 32.0 | 39.0 | 41.0 | 44.0 | 41.0 | 30.0 | 36.0 | 38.5 | 36.0 | 33.0 | 44.2 | 36.0 | 35.0 | 43.8 | 51.3 | 42.4 |
| Least range of temperature | 16.0 | 15.0 | 19.0 | 19.0 | 20.0 | 18.0 | 20.0 | 20.0 | 19.0 | 18.0 | 19.0 | 20.0 | 15.5 | 17.5 | 22.7 | 20.9 | 21.6 |
| Average maximum temperature | 72.6 | 70.4 | 72.0 | 71.5 | 74.2 | 74.8 | 71.0 | 75.5 | 71.8 | 72.0 | 70.0 | 75.4 | 71.5 | 73.7 | 77.9 | 78.8 | 63.9 |
| Average minimum temperature | 47.6 | 47.6 | 46.1 | 46.2 | 46.2 | 48.0 | 47.2 | 46.0 | 44.6 | 46.6 | 44.7 | 45.3 | 47.2 | 49.2 | 45.5 | 44.7 | 50.7 |
| Average range of temperature | 25.0 | 22.8 | 25.9 | 25.2 | 28.0 | 26.8 | 23.8 | 29.5 | 27.2 | 25.4 | 25.2 | 30.1 | 24.3 | 24.5 | 32.4 | 34.1 | 13.2 |
| Average humidity | 76.1 | 72.5 | 72.3 | 75.6 | 72.0 | 72.2 | 72.9 | 73.9 | 75.6 | 75.8 | 75.0 | 78.1 | 79.5 | 81.0 | 75.1 | 75.4 | 78.5 |
| Average dew point | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 47.5 | 49.1 | 50.7 | 47.5 | 46.8 | 48.2 |
| Prevailing direction of wind | S.W. | S.W. | S.W. | S.W. | W. | W. | S.W. | W. | W. | W. | W. | W. | W. | W. | W. | W. | W. |
| Total precipitation | 22.42 | 18.56 | 22.52 | 22.63 | 23.54 | 11.93 | 33.26 | 30.76 | 30.07 | 23.73 | 18.67 | 15.43 | 38.82 | 24.90 | 20.02 | 19.04 | 23.03 |
| Total movement of wind | 81,468 | 84,201 | 83,709 | 85,995 | 81,618 | 80,949 | 79,387 | 78,575 | 82,724 | 83,105 | 85,554 | 81,480 | 78,557 | 79,194 | 78,237 | 80,457 | 76,469 |
| Maximum velocity of wind | 36 | 48 | 32 | 48 | 44 | 38 | 40 | 40 | 44 | 36 | 36 | 36 | 45 | 36 | 42 | 36 | 40 |
| Direction of maximum velocity | W. | S.W. | S. | N. | S.E. | N. | N. | N.E. | N. | W. | N.W. | W. | N. | W. | S.E. | W. | N.W. |
| Clear days | 122 | 135 | 134 | 141 | 179 | 174 | 146 | 159 | 153 | 150 | 156 | 132 | 124 | 116 | 165 | 152 | 117 |
| Fair days | 138 | 133 | 149 | 160 | 125 | 132 | 142 | 146 | 110 | 126 | 144 | 152 | 148 | 157 | 134 | 140 | 155 |
| Cloudy days | 106 | 97 | 82 | 64 | 62 | 59 | 77 | 60 | 103 | 89 | 65 | 77 | 93 | 92 | 65 | 73 | 94 |
| Days of precipitation | 69 | 64 | 71 | 58 | 59 | 46 | 75 | 85 | 70 | 65 | 73 | 51 | 83 | 70 | 64 | 60 | 76 |
| Number of earthquakes (days) | 1 | 1 | 0 | 3 | 2 | 1 | 4 | 0 | 4 | 6 | 6 | 6 | 2 | 6 | 10 | 3 | 5 |
| Snow storms | ------ | ------ | ------ | ------ | 1 | ------ | ------ | ------ | ------ | ------ | 1 | 0 | 1 | 0 | 0 | 1 | 1 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thunder and lightning | 2 | 0 | 4 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 1 | 1 | 9 |
| Number of solar halos | ------- | ------- | ------- | ------- | 1 | 11 | 2 | 2 | 46 | 66 | 72 | 76 | 88 | 67 | 49 | 46 | 56 |
| Number of lunar halos | ------- | ------- | ------- | ------- | 5 | 0 | 8 | 9 | 6 | 16 | 30 | 17 | 20 | 21 | 25 | 34 | 24 |
| Number of light frosts | ------- | ------- | ------- | ------- | ------- | 2 | 21 | 22 | 49 | 23 | 19 | 33 | 15 | 21 | 15 | 36 | 13 |
| Number of killing frosts | ------- | ------- | ------- | ------- | ------- | ------- | ------- | ------- | ------- | 6 | 22 | 15 | 11 | 0 | 8 | 4 | 7 |
| Days maximum temperature above 90° | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 1 | 1 |
| Days minimum temperature below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |

Barometer readings corrected for elevation and temperature.

**General Weather Review for Oakland**—From 1876 to 1888, inclusive, by Dr. J. B. Trembly:

| YEAR: | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean temperature of the year | 55.09 | 56.29 | 55.28 | 55.11 | 53.69 | 55.62 | 54.49 | 54.66 | 55.85 | 57.71 | 56.36 | 55.14 | 56.77 |
| Mean temperature, warmest day | 74.00 | 76.00 | 69.33 | 75.33 | 70.66 | 70.00 | 69.33 | 84.66 | 72.66 | 70.00 | 70.33 | 75.66 | 73.60 |
| Mean temperature, coldest day | 36.00 | 41.63 | 37.00 | 33.66 | 41.00 | 42.00 | 35.00 | 32.33 | 36.00 | 46.00 | 41.00 | 36.66 | 31.33 |
| Maximum temperature for year | 97.00 | 96.00 | 84.00 | 93.00 | 89.00 | 87.00 | 84.00 | 103.00 | 88.00 | 89.00 | 91.00 | 101.00 | 91.00 |
| Minimum temperature for year | 30.00 | 30.00 | 27.00 | 27.00 | 29.00 | 31.00 | 30.00 | 25.00 | 28.00 | 27.00 | 30.00 | 31.00 | 26.00 |
| Greatest daily variation of temperature | 33.00 | 38.00 | 33 00 | 46.00 | 36.00 | 35.00 | 31.00 | 38.00 | 30.00 | 36.00 | 39.00 | 33.00 | 35.00 |
| Least daily variation of temperature | 2.00 | 1.00 | 2.00 | ..... | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 00.00 | 1.00 | 1.00 | 1.00 |
| Greatest monthly range of temperature | 49.00 | 47.00 | 46.00 | 46.00 | 48.00 | 40.00 | 42.00 | 50.00 | 45.00 | 38.80 | 41.00 | 44.00 | 39.00 |
| Least monthly range of temperature | 19.00 | 25.00 | 23.00 | 30.00 | 28.00 | 21.00 | 19.00 | 29.00 | 19.00 | 19.00 | 27.00 | 20.00 | 22.00 |
| Average daily range of temperature for year | 14.94 | 14.61 | 13.65 | 12.96 | 14.10 | 13.40 | 12.80 | 12.81 | 11.64 | 11.44 | 13.16 | 13.49 | 11.10 |
| Average monthly range of temperature for year | 34.92 | 35.50 | 32.50 | 38.00 | 34.91 | 32.00 | 31.16 | 37.58 | 30.00 | 29.16 | 31.66 | 34.50 | 31.00 |
| Yearly range of temperature | 67.00 | 66.00 | 57.00 | 66.00 | 60.00 | 56.00 | 54.00 | 65.00 | 60.00 | 52.00 | 61.00 | 70.00 | 65.00 |
| Mean relative humidity for year | 83.00 | 83.11 | 84.71 | 85.29 | 83.70 | 83.25 | 82.57 | 83.71 | 85.39 | 86.74 | 87.15 | 88.53 | 85.83 |
| Highest relative humidity for year | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Lowest relative humidity for year | 40.00 | 34.40 | 38.60 | 39.00 | 27.00 | 29.00 | 28.70 | 33.90 | 38.19 | 41.50 | 26.70 | 41.50 | 56.70 |
| Greatest variation humidity in twenty-four hours | 49.09 | 51.20 | 45.06 | 58.00 | 54.40 | 37.40 | 65.70 | 48.80 | 41.00 | 43.80 | 46.50 | 51.00 | 45.20 |
| Least variation humidity in twenty-four hours | .06 | .01 | .02 | .30 | .20 | .30 | .40 | .30 | .30 | .80 | 1.50 | .00 | .00 |
| Rainfall in inches during year | 21.56 | 11.12 | 31.71 | 28.91 | 28.07 | 26.17 | 18.87 | 15.76 | 38.20 | 22.58 | 22.24 | 16.89 | 22.14 |
| Rainfall in inches in agricultural years from July 1, 1877, to July 1, 1888 | 28.55 | 12.36 | 32.33 | 23.55 | 23.84 | 31.34 | 18.13 | 20.22 | 31.10 | 17.95 | 32.21 | 18.45 | 17.10 |
| Number clear and fair days during year | 268 | 301 | 255 | 266 | 258 | 276 | 276 | 266 | 260 | 238 | 239 | 277 | 277 |
| Number cloudy days during year | 98 | 64 | 110 | 99 | 108 | 89 | 89 | 99 | 106 | 127 | 126 | 88 | 89 |
| Number days in which rain fell | 63 | 58 | 78 | 89 | 53 | 67 | 72 | 53 | 85 | 67 | 63 | 58 | 66 |
| Number foggy mornings | 23 | 8 | 17 | 19 | 27 | 28 | 15 | 21 | 19 | 20 | 21 | 18 | 37 |
| Number mornings overcast | 51 | 44 | 64 | 63 | 86 | 52 | 77 | 105 | 77 | 118 | 92 | 97 | 79 |
| Number mornings frost was seen | 35 | 35 | 36 | 46 | 62 | 47 | 50 | 58 | 38 | 27 | 55 | 49 | 28 |
| Wind, direction from S.W. and W. | 342 | 364 | 311 | 355 | 346 | 402 | 345 | 428 | 382 | 426 | 389 | 414 | 428 |
| Wind, direction from N.W. and W. | 210 | 150 | 173 | 150 | 136 | 136 | 150 | 119 | 128 | 112 | 112 | 159 | 96 |
| Wind, direction from N.E. and N. | 34 | 63 | 45 | 50 | 59 | 58 | 53 | 29 | 62 | 53 | 45 | 35 | 50 |
| Wind, direction from S.E. and S. | 163 | 150 | 163 | 126 | 172 | 138 | 143 | 91 | 151 | 142 | 158 | 129 | 164 |
| Calms | 340 | 368 | 402 | 372 | 385 | 331 | 404 | 438 | 375 | 362 | 391 | 358 | 350 |
| *Seasons.* | | | | | | | | | | | | | |
| Mean temperature of spring | 54.46 | 55.18 | 55.73 | 56.15 | 52.97 | 56.35 | 54.12 | 54.63 | 55.59 | 58.08 | 55.06 | 55.29 | 49.39 |
| Mean temperature of summer | 60.40 | 61.17 | 59.36 | 60.07 | 58.95 | 60.27 | 60.06 | 61.16 | 61.89 | 61.23 | 61.60 | 60.29 | 55.52 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean temperature of autumn | 57.75 | 57.67 | 56.92 | 56.73 | 55.86 | 54.78 | 56.44 | 54.25 | 57.07 | 59.52 | 56.89 | 56.85 | 62.29 |
| Mean temperature of winter | 48 20 | 50.39 | 50.12 | 47.60 | 45.38 | 51.10 | 46.80 | 46.20 | 47.38 | 51.69 | 52.12 | 49.80 | 59.30 |
| Difference between the warmest and coldest months of spring | 4.40 | 1.49 | 3.68 | .70 | 9.91 | 5.12 | 5.77 | 5.60 | 6.16 | 2.04 | 8.05 | 2.39 | 5.07 |
| Difference between the warmest and coldest months of summer | 1.99 | 1.10 | .35 | 1.26 | 1.88 | 1.55 | 1.13 | 2.78 | 2.60 | 3.25 | 2.00 | 2.03 | 1.49 |
| Difference between the warmest and coldest months of autumn | 6.13 | 7.76 | 5.93 | 9.14 | 7.70 | 8.79 | 9.68 | 10.64 | 3.99 | 5.05 | 8.94 | 7.63 | 6.39 |
| Difference between the warmest and coldest months of winter | 5.00 | 6.09 | 1.28 | 5.13 | 2.37 | 5.34 | 2.33 | 5.98 | 1.56 | 4.38 | 5.15 | 5.84 | 6.89 |
| Difference between the warmest and coldest months of the year | 16.20 | 12.25 | 13.06 | 15.68 | 15.78 | 12.38 | 14.77 | 19.26 | 16.38 | 13.33 | 14.43 | 14.87 | 17.71 |

Mean difference between the coldest and warmest months for thirteen years, 16.91°.
Mean temperature for thirteen years, 55.49°.
Mean barometer for thirteen years, 29.92.
Mean relative humidity for thirteen years, 84.54.
Mean annual rainfall for thirteen years, 23.66 inches.

**Monthly Rainfall in Oakland for the Years 1873–1888.**—By Mr. James Hutchison, of the Bay Nursery:

| Month. | 1873–74. | 1874–75. | 1875–76. | 1876–77. | | 1877–78. | | 1878–79. | | 1879–80. | | 1880–81. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quantity. | Quantity. | Quantity. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. |
| July | ------- | ------- | ------- | .10 | 2 | .18 | 2 | ------- | 2 | ------- | 2 | ------- | ------- |
| August | ------- | ------- | ------- | ------- | 1 | ------- | ------- | ------- | 3 | ------- | 2 | ------- | ------- |
| September | ------- | ------- | ------- | .15 | 5 | ------- | ------- | .57 | 3 | ------- | 2 | ------- | ------- |
| October | .60 | 2.24 | .30 | 4.74 | 10 | .45 | 4 | 1.85 | 2 | .70 | 5 | .05 | 1 |
| November | .60 | 9.18 | 7.83 | .25 | 2 | 1.62 | 8 | .65 | 3 | 2.98 | 9 | .35 | 2 |
| December | 10.18 | .31 | 4.10 | ------- | ------- | 1.75 | 8 | .31 | 6 | 5.06 | 14 | 12.57 | 18 |
| January | 5.60 | 6.15 | 5.28 | 4.19 | 9 | 10.82 | 16 | 3.84 | 11 | 1.71 | 7 | 10.48 | 11 |
| February | 1.80 | .30 | 4.87 | 1.42 | 5 | 11.63 | 17 | 5.65 | 9 | 2.19 | 9 | 3.95 | 14 |
| March | 5.25 | 1.65 | 4.55 | .96 | 7 | 4.30 | 16 | 7.96 | 15 | 1.70 | 9 | .88 | 3 |
| April | 1.25 | ------- | .93 | .22 | 5 | 1.18 | 6 | 1.17 | 12 | 8.46 | 18 | 1.40 | 8 |
| May | .75 | .10 | .45 | .33 | 5 | .40 | 2 | 1.39 | 7 | 1.04 | 5 | .50 | 6 |
| June | ------- | 1.64 | .24 | ------- | 5 | ------- | ------- | .16 | 1 | ------- | ------- | 1.16 | 2 |
| Amount | 26.03 | 21.57 | 28.55 | 12.36 | 51 | 32.33 | 79 | 23.55 | 74 | 23.84 | 82 | 31.34 | 65 |

| Month. | 1881–82. | | 1882–83. | | 1883–84. | | 1884–85. | | 1885–86. | | 1886–87. | | 1887–88. | | 1888–89. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. | Quantity. | Days. |
| July | ------- | ------- | ------- | 2 | ------- | ------- | ------- | ------- | .02 | 2 | .15 | 1 | .01 | 2 | ------- | ------- |
| August | ------- | ------- | ------- | ------- | ------- | ------- | .25 | 1 | .00 | 0 | .00 | 0 | .00 | 1 | ------- | ------- |
| September | .40 | 1 | .42 | 2 | 1.00 | 2 | .35 | 3 | .05 | 2 | .05 | 1 | .27 | 2 | .92 | 3 |
| October | .82 | 7 | 2.65 | 9 | 1.03 | 7 | 2.80 | 4 | .30 | 2 | 1.59 | 5 | .00 | 0 | .06 | 2 |
| November | 1.49 | 5 | 4.33 | 7 | .90 | 3 | .05 | 3 | 11.11 | 17 | .45 | 6 | .78 | 4 | 3.52 | 9 |
| December | 5.09 | 10 | 1.14 | 9 | 1.15 | 6 | 7.73 | 13 | 4.33 | 8 | 3.60 | 6 | 3.22 | 8 | 4.82 | 13 |
| January | 2.42 | 9 | 1.95 | 3 | 3.81 | 9 | 1.92 | 7 | 8.12 | 13 | 1.57 | 7 | 6.42 | 14 | .90 | 7 |
| February | 2.05 | 10 | .70 | 5 | 5.25 | 10 | .48 | 3 | .30 | 4 | 7.83 | 16 | 1.02 | 4 | .62 | 5 |
| March | 4.20 | 11 | 3.33 | 8 | 8.59 | 11 | 1.07 | 5 | 2.57 | 11 | .71 | 6 | 4.44 | 8 | 7.60 | 13 |
| April | 1.51 | 8 | 2.20 | 8 | 5.79 | 10 | 3.12 | 9 | 5.11 | 11 | 2.35 | 5 | .10 | 1 | .93 | 10 |
| May | .15 | 3 | 3.50 | 11 | .55 | 5 | .10 | 1 | .30 | 5 | .10 | 4 | .38 | 5 | ------- | ------- |
| June | ------- | 2 | ------- | ------- | 3.03 | 10 | .08 | 6 | .00 | 0 | .05 | 2 | .16 | 7 | ------- | ------- |
| Amount | 18.13 | 66 | 20.22 | 64 | 31.10 | 78 | 17.95 | 54 | 32.21 | 75 | 18.45 | 59 | 17.10 | 56 | 19.37 | 62 |

Mean annual rainfall for fifteen years, 23.66 inches.

**Highest and Lowest Temperatures at Salinas, Monterey County.**—The following table of maximum and minimum temperatures for each month, at Salinas, was furnished by E. K. Abbott, M.D., and covers a period from May, 1872, to date:

| Year. | Jan. | | Feb. | | March. | | April. | | May. | | June. | | July. | | August. | | Sept. | | Oct. | | Nov. | | Dec. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. | Highest Temperature. | Lowest Temperature. |
| 1872 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 84 | 47 | 90 | 54 | 71 | 56 | 79 | 52 | 80 | 47 | 87 | 36 | 82 | 32 | 80 | 22 |
| 1873 | 76 | 36 | 70 | 30 | 84 | 36 | ---- | ---- | 90 | ---- | ---- | ---- | 78 | 53 | 79 | 52 | 76 | 46 | 87 | 30 | 84 | 35 | 66 | 36 |
| 1874 | 66 | 31 | 66 | 32 | 70 | 33 | 70 | 43 | 82 | 45 | 79 | 50 | 77 | 52 | 76 | 52 | 88 | 48 | 85 | 46 | 75 | 33 | 73 | 23 |
| 1875 | 66 | 28 | 71 | 32 | 78 | 32 | 80 | 33 | 77 | 48 | 78 | 49 | 70 | 52 | 76 | 51 | 77 | 50 | 79 | 39 | 70 | 38 | 68 | 31 |
| 1876 | 62 | 30 | 69 | 30 | 73 | 32 | 79 | 40 | 68 | 44 | 79 | 40 | 76 | 51 | 75 | 52 | 82 | 51 | 76 | 42 | 81 | 35 | 76 | 31 |
| 1877 | 77 | 21 | 73 | 25 | 70 | 37 | 64 | 44 | 70 | 47 | 88 | 52 | 76 | 54 | 79 | 54 | 87 | 50 | 79 | 35 | 78 | 34 | 69 | 34 |
| 1878 | 67 | 30 | 63 | 28 | 74 | 37 | 72 | 41 | 70 | 48 | 71 | 51 | 70 | 51 | 71 | 52 | 76 | 50 | 85 | 42 | 78 | 30 | 80 | 26 |
| 1879 | 64 | 26 | 72 | 29 | 80 | 32 | 70 | 44 | 75 | 45 | 78 | 52 | 72 | 52 | 87 | 53 | 80 | 50 | 90 | 42 | 75 | 30 | 71 | 20 |
| 1880 | 70 | 25 | 64 | 25 | 65 | 32 | 64 | 41 | 87 | 44 | 76 | 49 | 72 | 52 | 70 | 52 | 71 | 45 | 86 | 41 | 83 | 28 | 70 | 38 |
| 1881 | 68 | 32 | 75 | 36 | 78 | 32 | 76 | 45 | 73 | 45 | 74 | 52 | 86 | 52 | 70 | 51 | 78 | 44 | 70 | 31 | 74 | 29 | 72 | 33 |
| 1882 | 65 | 22 | 66 | 28 | 76 | 32 | 70 | 42 | 72 | 44 | 71 | 53 | 72 | 53 | 73 | 52 | 74 | 50 | 81 | 40 | 75 | 30 | 76 | 28 |
| 1883 | 66 | 20 | 81 | 24 | 84 | 44 | 68 | 40 | 85 | 45 | 94 | 53 | 74 | 54 | 78 | 52 | 96 | 50 | 76 | 38 | 75 | 29 | 75 | 32 |
| 1884 | 65 | 30 | 76 | 25 | 72 | 34 | 72 | 44 | 80 | 50 | 72 | 54 | 75 | 53 | 76 | 54 | 75 | 45 | 84 | 37 | 80 | 40 | 66 | 26 |
| 1885 | 70 | 33 | 75 | 32 | 82 | 36 | 82 | 41 | 76 | 50 | 73 | 51 | 73 | 54 | 76 | 57 | 82 | 46 | 72 | 38 | 72 | 30 | 74 | 32 |
| 1886 | 68 | 29 | 73 | 38 | 68 | 35 | 75 | 38 | 77 | 49 | 71 | 51 | 76 | 52 | 78 | 54 | 88 | 46 | 69 | 39 | 80 | 31 | 78 | 32 |
| 1887 | 70 | 28 | 72 | 29 | 82 | 33 | 70 | 40 | 70 | 44 | 78 | 50 | 72 | 43 | 70 | 53 | 78 | 47 | 92 | 42 | 78 | 28 | 66 | 32 |
| 1888 | 63 | 22 | 74 | 35 | 70 | 30 | 79 | 42 | 74 | 51 | 75 | 51 | 84 | 54 | 76 | 52 | 74 | 47 | 82 | 40 | 77 | 31 | 67 | 38 |
| 1889 | 64 | 28 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Highest and lowest temperatures in sixteen and seventeen years | 77 | 20 | 81 | 24 | 84 | 30 | 82 | 33 | 90 | 44 | 94 | 40 | 86 | 43 | 87 | 51 | 96 | 44 | 92 | 30 | 84 | 28 | 80 | 20 |

**Rainfall at Salinas, Monterey County.**—The rainfall of Salinas, Monterey County, was furnished by Dr. E. K. Abbott, and extends from July, 1872, to date, showing the rainfall by months, years, and seasons; also the averages:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Inches. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872 | ..... | ..... | ..... | ..... | ..... | ..... | none | none | .01 | .02 | .02 | 6.80 | ..... | 1872–73 | 13.45 |
| 1873 | 3.40 | 2.40 | .80 | none | none | none | none | none | .10 | .10 | .20 | 4.25 | 11.25 | 1873–74 | 11.17 |
| 1874 | 3.42 | none | 2.15 | .95 | none | none | none | none | none | 1.83 | 1.42 | none | 9.77 | 1874–75 | 8.59 |
| 1875 | 4.50 | .15 | .69 | none | none | none | none | none | none | none | 5.17 | 2.18 | 12.69 | 1875–76 | 21.59 |
| 1876 | 6.16 | 3.55 | 4.52 | none | .01 | none | .10 | none | .05 | 1.04 | .05 | none | 15.48 | 1876–77 | 4.74 |
| 1877 | 2.54 | .16 | .30 | .10 | .40 | none | none | none | none | .12 | 1.00 | 2.39 | 7.01 | 1877–78 | 23.82 |
| 1878 | 7.05 | 8.77 | 2.57 | 1.92 | none | none | none | none | .05 | .60 | .20 | .35 | 21.51 | 1878–79 | 10.94 |
| 1879 | 2.42 | 2.81 | 1.85 | 1.69 | .82 | .15 | none | none | none | 1.05 | 1.08 | 2.28 | 14.15 | 1879–80 | 13.22 |
| 1880 | 1.65 | 1.16 | 1.64 | 3.90 | .46 | none | none | none | none | none | .57 | 5.56 | 14.94 | 1880–81 | 14.07 |
| 1881 | 3.32 | 2.32 | 1.26 | .66 | none | .38 | none | none | .10 | .28 | .67 | 1.24 | 10.23 | 1881–82 | 12.93 |
| 1882 | 1.78 | 2.31 | 4.86 | 1.01 | .49 | .19 | none | none | .38 | 1.43 | .65 | 1.95 | 15.05 | 1882–83 | 11.79 |
| 1883 | .91 | .95 | 2.26 | 1.28 | 1.98 | none | none | none | .19 | 1.19 | .25 | .90 | 9.91 | 1883–84 | 20.25 |
| 1884 | 1.71 | 4.49 | 5.09 | 3.05 | .72 | 2.66 | none | .18 | .11 | 1.79 | .28 | 4.46 | 24.54 | 1884–85 | 9.48 |
| 1885 | 1.09 | .05 | .19 | 1.21 | .12 | none | none | none | .02 | .08 | 6.60 | 1.30 | 10.66 | 1885–86 | 20.76 |
| 1886 | 5.10 | 1.47 | 2.16 | 3.83 | .20 | none | none | none | none | .62 | .82 | .72 | 14.92 | 1886–87 | 9.88 |
| 1887 | .75 | 4.73 | .54 | 1.63 | .07 | none | none | none | .71 | none | .98 | 2.16 | 11.57 | 1887–88 | 13.10 |
| 1888 | 4.15 | .53 | 3.28 | none | .89 | none | none | none | .56 | none | 1.64 | 2.20 | 13.25 | 1888–89 | *6.69 |
| 1889* | .64 | 1.65 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Totals | 50.59 | 37.50 | 34.16 | 21.23 | 6.16 | 3.38 | .10 | .18 | 2.28 | 10.15 | 21.60 | 38.74 | 216.93 | ..... | 219.78 |
| Averages | 2.976 | 2.206 | 2.135 | 1.327 | .385 | .211 | .006 | .011 | .134 | .597 | 1.271 | 2.279 | 12.760 | ..... | 12.928 |

* Up to March 1, 1889.

## Weather at Lodi, San Joaquin County.

The following table, compiled from observations taken by Ezra Fisk, three miles south of Lodi, shows the mean temperature of San Joaquin County at sunrise, at 2 P. M., and at sunset, for every month for seven consecutive years, including 1882, 1883, 1884, 1885, 1886, 1887, 1888, and January and February, 1889. Very few localities on the coast possess so equable and moderate a climate as these figures indicate:

| Month. | At Sunrise. | At 2 P. M. | At Sunset. | Mean. |
|---|---|---|---|---|
| 1882—January | 34.54 | 53.19 | 47.73 | 45.15 |
| February | 34.67 | 54.85 | 49.39 | 46.30 |
| March | 41.19 | 63.28 | 55.74 | 53.40 |
| April | 42.62 | 67.53 | 56.80 | 55.65 |
| May | 48.71 | 79.80 | 65.58 | 64.69 |
| June | 51.13 | 83.06 | 68.10 | 67.43 |
| July | 55.45 | 90.19 | 70.41 | 72.05 |
| August | 52.29 | 89.38 | 77.10 | 72.92 |
| September | 51.33 | 83.36 | 74.00 | 69.56 |
| October | 46.45 | 68.25 | 66.06 | 60.25 |
| November | 37.50 | 58.13 | 52.96 | 49.53 |
| December | 36.48 | 57.00 | 52.09 | 48.52 |
| Yearly mean | | | | 58.78 |
| 1883—January | 34.10 | 49.32 | 45.32 | 42.91 |
| February | 32.78 | 57.03 | 50.50 | 46.77 |
| March | 42.12 | 69.93 | 60.48 | 57.51 |
| April | 41.60 | 67.56 | 57.03 | 55.39 |
| May | 49.48 | 74.16 | 62.35 | 61.99 |
| June | 53.93 | 89.03 | 72.93 | 71.85 |
| July | 55.45 | 89.61 | 75.42 | 73.49 |
| August | 52.25 | 81.87 | 75.83 | 69.98 |
| September | 53.60 | 87.30 | 77.70 | 72.86 |
| October | 44.54 | 69.61 | 63.64 | 59.26 |
| November | 36.90 | 60.46 | 56.60 | 51.32 |
| December | 36.80 | 52.67 | 48.77 | 46.08 |
| Yearly mean | | | | 59.11 |
| 1884—January | 35.80 | 55.09 | 49.93 | 46.94 |
| February | 37.99 | 55.43 | 51.13 | 48.18 |
| March | 43.83 | 61.77 | 55.12 | 53.73 |
| April | 45.66 | 67.10 | 58.16 | 56.97 |
| May | 50.64 | 76.71 | 63.93 | 63.76 |
| June | 54.00 | 76.83 | 64.63 | 65.15 |
| July | 52.93 | 86.19 | 73.48 | 70.86 |
| August | 54.73 | 87.96 | 75.93 | 72.87 |
| September | 48.30 | 78.96 | 69.86 | 65.70 |
| October | 45.35 | 75.83 | 65.61 | 62.26 |
| November | 39.63 | 67.63 | 61.10 | 56.08 |
| December | 38.64 | 56.16 | 51.74 | 48.84 |
| Yearly mean | | | | 59.27 |

WEATHER AT LODI—Continued.

| MONTH. | At Sunrise. | At 2 P. M. | At Sunset. | Mean. |
|---|---|---|---|---|
| 1885—January | 40.54 | 54.00 | 49.35 | 47.96 |
| February | 40.57 | 64.75 | 57.39 | 54.23 |
| March | 43.32 | 73.45 | 62.77 | 59.84 |
| April | 47.50 | 74.26 | 61.93 | 61.23 |
| May | 48.86 | 81.25 | 66.32 | 65.44 |
| June | 49.53 | 81.26 | 65.93 | 65.57 |
| July | 54.77 | 86.29 | 72.35 | 71.13 |
| August | 56.38 | 90.93 | 78.67 | 75.32 |
| September | 52.93 | 86.60 | 77.03 | 72.18 |
| October | 48.32 | 78.61 | 70.90 | 65.94 |
| November | 48.10 | 62.00 | 57.80 | 55.30 |
| December | 43.64 | 55.09 | 51.06 | 49.94 |
| Yearly mean | | | | 62.00 |
| 1886—January | 40.80 | 53.06 | 49.10 | 47.65 |
| February | 43.28 | 63.35 | 56.21 | 54.28 |
| March | 39.48 | 62.96 | 54.45 | 53.29 |
| April | 46.23 | 67.90 | 58.01 | 57.38 |
| May | 47.80 | 78.61 | 64.19 | 63.53 |
| June | 53.56 | 87.00 | 71.90 | 70.82 |
| July | 56.29 | 89.64 | 76.74 | 74.22 |
| August | 56.35 | 90.83 | 77.41 | 74.86 |
| September | 50.40 | 85.40 | 74.60 | 70.13 |
| October | 42.80 | 71.90 | 64.19 | 59.63 |
| November | 35.70 | 62.30 | 56.76 | 51.58 |
| December | 40.80 | 59.06 | 53.38 | 51.08 |
| Yearly mean | | | | 60.70 |
| 1887—January | 36.83 | 57.71 | 51.90 | 48.81 |
| February | 36.85 | 52.71 | 47.64 | 45.73 |
| March | 41.51 | 71.64 | 61.87 | 58.34 |
| April | 43.83 | 70.90 | 59.50 | 58.07 |
| May | 47.64 | 78.93 | 64.74 | 63.77 |
| June | 52.40 | 79.66 | 69.70 | 67.25 |
| July | 52.83 | 89.80 | 73.43 | 72.02 |
| August | 53.19 | 88.03 | 75.22 | 72.14 |
| September | 53.60 | 86.73 | 76.13 | 72.15 |
| October | 47.58 | 82.00 | 72.71 | 67.43 |
| November | 38.10 | 67.66 | 60.23 | 55.33 |
| December | 36.58 | 54.52 | 47.96 | 46.35 |
| Yearly mean | | | | 60.61 |
| 1888—January | 37.19 | 50.45 | 45.06 | 44.23 |
| February | 39.41 | 62.17 | 55.62 | 52.40 |
| March | 41.29 | 65.67 | 56.09 | 54.35 |
| April | 45.80 | 77.96 | 64.50 | 62.75 |
| May | 49.45 | 80.71 | 62.67 | 64.67 |
| June | 56.56 | 82.43 | 69.43 | 69.47 |
| July | 56.51 | 92.58 | 75.09 | 74.72 |
| August | 57.16 | 90.22 | 80.09 | 75.82 |
| September | 59.40 | 89.06 | 77.83 | 75.43 |
| October | 50.32 | 78.96 | 69.71 | 66.33 |
| November | 44.23 | 63.76 | 58.76 | 55.58 |
| December | 45.96 | 54.83 | 50.51 | 50.43 |
| Yearly mean | | | | 62.13 |
| 1889—January | 34.80 | 53.87 | 48.13 | 45.60 |
| February | 36.64 | 61.71 | 53.57 | 50.64 |

*Rainfall at Lodi, San Joaquin County—J. D. Huffman, Observer.*

| Month. | 1887. | 1888. | 1889. |
|---|---|---|---|
| January | ..... | 5.09 | .35 |
| February | ..... | .44 | .65 |
| March | ..... | 2.59 | ..... |
| April | ..... | .11 | ..... |
| May | ..... | .61 | ..... |
| June | ..... | .43 | ..... |
| July | ..... | none | ..... |
| August | ..... | none | ..... |
| September | ..... | .88 | ..... |
| October | none | none | ..... |
| November | .77 | 3.61 | ..... |
| December | 4.54 | 3.56 | ..... |

Total for season of 1887–8, 14.58; 1888–9 (up to March 1, 1889), 9.05.

## Meteorological Record of Fresno, California.

By J. R. Williams, Observer Signal Corps.

The following shows the annual meteorological summary of Fresno, California, latitude 36° 43′, longitude 119° 49′, for the year ending December 31, 1888. Very much that is of interest, and instructive as well, can be gleaned from these statistics. The maximum, minimum, and mean temperature, when compared with other sections of the State, show the climate of Fresno to be, what is claimed for it, dry, warm, and comparatively equable. There is very much more that could be said, but each person will readily find those points in which he is most directly interested:

*Mean Barometer Readings.*

| Month. | Monthly Mean. | Highest Observed. | Date. | Lowest Observed. | Date. | Absolute Range. |
|---|---|---|---|---|---|---|
| January | 29.800 | 30.25 | 17 | 29.26 | 4 | 0.99 |
| February | 29.742 | 29.96 | 19 | 29.46 | 27 | 0.50 |
| March | 29.688 | 30.11 | 11 | 29.26 | 8 | 0.85 |
| April | 29.680 | 29.89 | 6 | 29.40 | 16 | 0.49 |
| May | 29.565 | 29.75 | 8 | 29.39 | 11 | 0.36 |
| June | 29.558 | 29.75 | 30 | 29.34 | 16 | 0.41 |
| July | 29.561 | 29.86 | 12 | 29.42 | 16 | 0.44 |
| August | 29.508 | 29.71 | 2 | 29.30 | 11 | 0.41 |
| September | 29.510 | 29.72 | 30 | 29.25 | 11 | 0.47 |
| October | 29.598 | 29.79 | 22 | 29.40 | 5 | 0.39 |
| November | 29.685 | 29.86 | 6 | 29.39 | 23 | 0.47 |
| December | 29.744 | 29.97 | 2 | 29.20 | 22 | 0.79 |
| Annual means | 29.637 | ..... | ..... | ..... | ..... | ..... |

Elevation of surface of mercury in barometer cistern above mean sea-level on December 13, 313 feet.

*Mean Temperature from Self-Regulating Instruments.*

| Month. | Monthly Mean. | Maximum. | Date. | Minimum. | Date. | Absolute Range. | Mean Maximum. | Mean Minimum. |
|---|---|---|---|---|---|---|---|---|
| January | 44.1 | 68.5 | 26 | 19.6 | 16 | 48.9 | 53.0 | 35.2 |
| February | 53.2 | 83.0 | 26 | 29.6 | 29 | 53.4 | 65.5 | 40.4 |
| March | 54.1 | 77.1 | 21 | 28.1 | 1 | 49.0 | 65.5 | 41.6 |
| April | 67.1 | 97.5 | 14 | 40.9 | 6 | 56.6 | 81.9 | 50.3 |
| May | 68.6 | 96.2 | 12 | 46.1 | 23 | 50.0 | 82.6 | 53.4 |
| June | 74.1 | 103.5 | 22 | 50.5 | 7 | 53.0 | 88.2 | 58.5 |
| July | 80.6 | 109.2 | 16 | 53.5 | 12 | 55.7 | 99 5 | 63.9 |
| August | 82.9 | 111.1 | 24 | 56.1 | 1 | 55.0 | 101.5 | 64.6 |
| September | 80.3 | 110.9 | 11 | 54.5 | 29 | 56.4 | 97.6 | 63.8 |
| October | 66.2 | 93.5 | 11 | 41.0 | 25 | 52.5 | 82.3 | 50.7 |
| November | 53.7 | 78.0 | 2 | 34.8 | 13 | 43.2 | 64.6 | 44.0 |
| December | 47.9 | 65.9 | 16 | 34.6 | 3 | 31.3 | 54.2 | 42.4 |
| Annual means | 64.4 | | | | | | 78.0 | 50.7 |

| Month. | Mean Dew Point. | Mean Relative Humidity. | Mean Cloudiness. | Total Amount of Precipitation. |
|---|---|---|---|---|
| January | 38.3 | 81.2 | 4.2 | 1.75 |
| February | 44.3 | 74.2 | 2.0 | 0.13 |
| March | 45.3 | 74.6 | 3.1 | 1.95 |
| April | 49.4 | 56.6 | 1.8 | 0.22 |
| May | 51.3 | 57.9 | 2.3 | 0.56 |
| June | 53.4 | 51.8 | 1.5 | trace. |
| July | 54.1 | 45.4 | 1.2 | trace. |
| August | 52.6 | 40.8 | 0.8 | trace. |
| September | 56.4 | 49.0 | 1.2 | 0.06 |
| October | 49.3 | 59.0 | 0.7 | 0.00 |
| November | 46.3 | 78.8 | 3.2 | 2.38 |
| December | 45.8 | 93.0 | 7.3 | 1.71 |
| Annual means | 48.8 | 60.2 | 2.4 | 8.76 |

Elevation of thermometer bulbs above ground on December 31, 46 feet.

*Velocity and Direction of Wind.*

| Month. | Total Miles. | Miles per hr. | Direction. | Date. | Prevailing Direction. | N. | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Calms. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 2,887 | 18 | N. | 14 | E. | 8 | 6 | 19 | 7 | 18 | 4 | 12 | 12 | 7 |
| February | 2,674 | 18 | N.W. | 18 | N. | 21 | 3 | 11 | 8 | 17 | 3 | 5 | 15 | 4 |
| March | 3,590 | 24 | S.E. | 1 | N.W. | 18 | 4 | 6 | 17 | 11 | 2 | 9 | 19 | 7 |
| April | 3,857 | 20 | N.W. | 25 | N.W. | 27 | 0 | 6 | 4 | 4 | 0 | 12 | 36 | 1 |
| May | 4,501 | 20 | N.W. | 31 | N.W. | 12 | 1 | 2 | 1 | 3 | 7 | 27 | 40 | 0 |
| June | 5,767 | 18 | N.W. | 3 | N.W. | 12 | 0 | 0 | 1 | 3 | 1 | 11 | 61 | 1 |
| July | 4,425 | 20 | N.W. | 31 | N.W. | 19 | 0 | 3 | 1 | 6 | 1 | 7 | 25 | 0 |
| August | 3,996 | 18 | N.W. | 12 | N.W. | 15 | 0 | 0 | 1 | 3 | 3 | 9 | 31 | 0 |
| September | 3,564 | 24 | N.W. | 15 | N.W. | 10 | 2 | 3 | 4 | 1 | 3 | 7 | 30 | 0 |
| October | 2,976 | 15 | N. | 6 | N.W. | 16 | 1 | 5 | 5 | 3 | 1 | 3 | 24 | 4 |
| November | 2,248 | 18 | | 16 | N.W. | 7 | 4 | 7 | 11 | 6 | 4 | 4 | 12 | 5 |
| December | 2,076 | 15 | E. | 22 | S.E. | 5 | 3 | 8 | 10 | 9 | 7 | 10 | 6 | 2 |
| Annual Means | 42,504 | | | | N.W. | 170 | 24 | 70 | 70 | 84 | 36 | 116 | 311 | 31 |

The following table shows the clear, fair, cloudy, foggy, and rainy days, minimum temperature below 32° and maximum above 90°, with number of thunder storms for each month of the year 1888, at Fresno:

| Month. | Clear Days. | Fair Days. | Cloudy Days. | Foggy Days. | .01 Inch or More. | Minimum Temperature below 32°. | Maximum Temperature above 90°. | Thunder Storms. |
|---|---|---|---|---|---|---|---|---|
| January | 13 | 11 | 7 | 0 | 6 | 12 | 0 | 0 |
| February | 21 | 8 | 0 | 0 | 1 | 1 | 0 | 0 |
| March | 18 | 10 | 3 | 0 | 8 | 1 | 0 | 0 |
| April | 23 | 7 | 0 | 0 | 2 | 0 | 8 | 0 |
| May | 21 | 9 | 1 | 0 | 5 | 0 | 6 | 1 |
| June | 21 | 9 | 0 | 0 | 0 | 0 | 12 | 0 |
| July | 27 | 2 | 2 | 0 | 0 | 0 | 28 | 0 |
| August | 30 | 0 | 1 | 0 | 0 | 0 | 30 | 0 |
| September | 23 | 6 | 1 | 0 | 1 | 0 | 24 | 1 |
| October | 27 | 4 | 0 | 0 | 0 | 0 | 3 | 0 |
| November | 14 | 6 | 10 | 2 | 7 | 0 | 0 | 1 |
| December | 3 | 9 | 18 | 8 | 6 | 0 | 0 | 0 |
| Totals | 241 | 81 | 43 | 10 | 36 | 14 | 111 | 3 |

The rainfall for the past seven years has been as follows at Fresno:

| | |
|---|---|
| 1882 | 6.70 |
| 1883 | 7.64 |
| 1884 | 15.98 |
| 1885 | 7.10 |
| 1886 | 19.42 |
| 1887 | 8.40 |
| 1888 | 6.48 |
| Average | 10.24 |

## Table Showing the Average Temperature and Rainfall for the San Joaquin Valley Counties.

The following named counties are represented in this table: San Joaquin, Merced, Fresno, Tulare, and Kern. The lowest temperature below 20° was recorded in the following named counties: Fresno, Tulare, and Kern. The lowest being for each county named above, as follows: 15°, 10°, 16°, respectively. Taking elevation in consideration, the southern end of the San Joaquin Valley is much colder than any portion of the Sacramento Valley. For instance, Auburn, in Placer County, Sacramento Valley, at an elevation of 1,363 feet, has a minimum record of but 18°, while Delano, only 319 feet, has a minimum record of 16°, or two (2) below Auburn. This table will convince the wayfarer, though a stranger, that he must come north to the Sacramento Valley to find a more equable climate, unless he decides to cross into Santa Barbara or Los Angeles Counties and winter there; even then the great Sacramento Valley will compare favorably with those counties in a great many respects. The mean annual temperature of Los Angeles and Santa Barbara is the same as Sacramento, but the average winter temperature of the two former places is much milder than that of Sacramento City:

| Stations and Counties. | Elevation—Feet. | Average Winter Temperature. | Average Spring Temperature. | Average Summer Temperature. | Average Autumn Temperature. | Average Annual Temperature. | Highest Temperature. | Lowest Temperature. | Average Seasonal Rainfall—Inches. |
|---|---|---|---|---|---|---|---|---|---|
| *San Joaquin County:* | | | | | | | | | |
| Stockton | 20 | 48.1 | 59.7 | 72.3 | 61.7 | 60.5 | 110 | 20 | 13.54 |
| Lathrop | 25 | 46.3 | 59.4 | 72.1 | 60.6 | 59.6 | 106 | 20 | 11.98 |
| Tracy or Ellis | 76 | 48.8 | 62.3 | 77.6 | 64.6 | 63.3 | 112 | 20 | 9.10 |
| Farmington | 111 | 46.2 | 60.2 | 75.6 | 62.6 | 61.2 | 114 | 20 | 15.57 |
| *Merced County:* | | | | | | | | | |
| Merced | 171 | 49.2 | 61.2 | 78.4 | 64.5 | 63.3 | 112 | 20 | 11.09 |
| *Fresno County:* | | | | | | | | | |
| Borden | 274 | 48.4 | 61.5 | 82.2 | 67.1 | 64.8 | 118 | 15 | 9.27 |
| Fresno | 295 | 50.2 | 64.9 | 84.1 | 67.6 | 66.7 | 115 | 18 | 9.57 |
| Kingsburgh | 301 | 49.0 | 62.5 | 82.6 | 66.2 | 65.1 | 112 | 10 | 9.36 |
| *Tulare County:* | | | | | | | | | |
| Goshen | 286 | 49.1 | 63.6 | 82.1 | 67.5 | 65.6 | 116 | 14 | 7.76 |
| Tulare | 289 | 46.6 | 62.8 | 83.4 | 65.1 | 64.5 | 116 | 14 | 6.89 |
| Visalia | 335 | 45.4 | 59.4 | 80.8 | 60.3 | 61.5 | 109 | 18 | 9.39 |
| Tuohy's Ranch, Lewis Valley | 440 | 47.1 | 62.5 | 79.4 | 62.3 | 62.8 | 106 | 22 | 11.15 |
| Lemoore | 227 | 46.1 | 62.0 | 81.3 | 63.8 | 63.3 | 111 | 18 | 9.82 |
| *Kern County:* | | | | | | | | | |
| Delano | 319 | 50.4 | 64.7 | 83.8 | 68.0 | 66.7 | 118 | 16 | 6.34 |
| Sumner | 422 | 49.6 | 65.0 | 85.1 | 65.5 | 66.3 | 113 | 18 | 5.02 |
| Caliente | 1,290 | 51.8 | 63.0 | 82.8 | 66.3 | 66.0 | 112 | 23 | 10.98 |
| Keene | 2,705 | 44.6 | 55.0 | 73.6 | 59.4 | 58.2 | 108 | 9 | 13.28 |
| Tehachapi | 3,964 | 39.1 | 51.8 | 72.6 | 54.8 | 54.6 | 102 | zero. | 11.04 |
| Mojave | 2,751 | 47.4 | 59.6 | 82.1 | 66.2 | 63.8 | 114 | 12 | 4.94 |

## Climate of San Luis Obispo County.

By Signal Service Observer, Mr. J. E. Lewis.

With persons who are thinking of emigrating to any particular section, the question of climate is always one of prime consideration. If a man lives in a malarial section, or one subject to the ravages of fever or consumption, it is a duty which he owes to himself and family to remove, provided he possesses the means, to a place where these baneful conditions do not exist. Many portions of the Eastern States are cursed with just such disease-producing climatic conditions. San Luis Obispo County, on the contrary, is free from any of the causes that produce the unfavorable conditions in many of the Eastern States. It is well known that a wide difference in temperature exists in corresponding latitudes on the Atlantic coasts of the United States and of Europe, and the cause has been well established. While along the eastern shores of our own country courses the Arctic Ocean current, bearing down from the Northern Sea its icy waters, the western countries of Europe are warmed by the mighty Gulf stream, which bears to their shores the thermal waters of the tropical ocean. Equally fortunate with the western shore of Europe, California along its whole length of nearly eight hundred miles luxuriates in the balmy breezes of the great Japan current—that mighty stream of warm water, which perennially washes directly against the western shores of America. The temperature of the winds blowing over it is of course affected by its heat, and they carry modifying influences inland, and as a consequence during the greater portion of the year, San Luis Obispo County enjoys the balmy healthfulness of the breezes, that blowing fresh from the broad bosom of the Pacific, are moderated and softened by its

warm stream, and yet being from the mighty expanse of the ocean are pure, and not contaminated, as is too often the case with the warm winds of less favored regions.

But it must not be supposed that every portion of California is equally fortunate, for strictly speaking there is no such thing as a climate of the State. Within its borders may be found every variety of climate that exists in the United States, from Maine or Minnesota, to Florida or South Carolina. "The winters of the Sierras are severe enough to satisfy the most enthusiastic admirer of the rigors of a northern winter; the summer heat of some of the southern and interior counties is torrid enough to make a visitor from the tropics feel quite at home, while the summer and autumn fogs of San Francisco could be best appreciated by a native of Labrador, or a Massachusetts fisherman who has spent years on the banks of Newfoundland." Many people are under the impression that if they but come to California they cannot fail to derive all the benefits of its "glorious" climate. As already shown, such cannot be the case; only in favored portions can be enjoyed that which has made the climate of California famous the world over. A necessary element to a proper estimate of the value of a home in California is the length of the productive season. If three crops can be raised in one season on one piece of land it is worth three times as much as that on which one can be raised. Even more than that; the single crop has to be worked in the short season of growth; the triple crop is worked by one man in the same time or during the year, employing his whole time, whereas two thirds of the vital energy of the worker is lost in the contest with the unproductive cold weather. Here the gain of three years is condensed into one, without the loss of two years of life and the food and energy necessary to live through the unproductive and wasting period.

With these facts before our readers, we append various tables taken from the official records of this county showing the comparative and absolute rainfall, mean temperature, etc., that our readers may make their own estimates of what is claimed, and justly, for the favored county of San Luis Obispo.

*Comparative Annual Rainfall.*

Rainfall at San Luis Obispo, as compared with other points in California and the United States:

| Place. | State. | Inches. | Place. | State. | Inches. |
|---|---|---|---|---|---|
| San Francisco | California | 21.46 | Bismarck | Dakota | 21.27 |
| San Luis Obispo* | California | 20.69 | Dodge City | Kansas | 20.09 |
| Sacramento | California | 19.25 | North Platte | Nebraska | 19.97 |
| Santa Barbara | California | 15.31 | St. Vincent | Minnesota | 18.62 |
| Los Angeles | California | 14.92 | Lewiston | Idaho | 17.14 |
| Monterey | California | 13.01 | Salt Lake City | Utah | 16.91 |
| Salinas | California | 12.03 | Helena | Montana | 15.13 |
| Stockton | California | 11.37 | Denver | Colorado | 14.98 |
| San José | California | 10.62 | Prescott | Arizona | 14.51 |
| Chualar | California | 10.18 | Boise City | Idaho | 13.30 |
| San Diego | California | 9.44 | El Paso | Texas | 12.11 |
| Soledad | California | 7.75 | Cheyenne | Wyoming | 10.85 |
| Riverside | California | 7.66 | Phœnix | Arizona | 7.53 |

*Average as taken at San Luis Obispo City for the last seventeen years.

*Rainfall at San Luis Obispo during the past Seventeen Years.*

| Year. | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | April. | May. | June. | July. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1869–70 | ..... | ..... | .84 | .66 | .78 | .71 | 4.85 | .74 | 2.40 | .85 | ..... | ..... | 11.83 |
| 1870–71 | ..... | ..... | .68 | .38 | 2.90 | 1.51 | 4.43 | ..... | 2.79 | .28 | ..... | ..... | 12.97 |
| 1871–72 | ..... | ..... | ..... | 2.40 | 13.93 | 5.16 | 3.45 | .71 | 1.37 | ..... | ..... | ..... | 27.02 |
| 1872–73 | ..... | ..... | ..... | ..... | 6.00 | 5.00 | 1.79 | ..... | ..... | ..... | ..... | ..... | 12.79 |
| 1873–74 | ..... | ..... | ..... | ..... | 7.96 | 4.29 | 4.04 | 3.23 | 1.00 | ..... | ..... | ..... | 20.52 |
| 1874–75 | ..... | ..... | 4.28 | 2.05 | .48 | 12.10 | .28 | .50 | ..... | ..... | ..... | ..... | 19.69 |
| 1875–76 | ..... | ..... | ..... | 6.20 | 2.20 | 9.87 | 5.29 | 5.30 | 1.26 | ..... | ..... | ..... | 30.12 |
| 1876–77 | ..... | ..... | 1.16 | ..... | ..... | 4.83 | .42 | 1.74 | ..... | ..... | ..... | ..... | 8.15 |
| 1877–78 | ..... | ..... | ..... | 1.42 | 3.90 | 7.88 | 11.91 | 2.74 | 2.75 | ..... | ..... | ..... | 30.60 |
| 1878–79 | ..... | ..... | ..... | 1.50 | 2.58 | 1.78 | 2.15 | 1.60 | 1.80 | .25 | ..... | ..... | 11.66 |
| 1879–80 | ..... | ..... | .75 | 1.40 | 3.03 | 1.75 | 7.23 | 2.36 | 8.78 | .52 | ..... | ..... | 25.82 |
| 1880–81 | ..... | ..... | ..... | .48 | 13.35 | 4.71 | 1.90 | 1.40 | 1.85 | ..... | ..... | ..... | 23.69 |
| 1881–82 | ..... | .40 | 1.65 | .25 | 2.00 | .85 | 3.40 | 6.75 | 1.73 | ..... | ..... | ..... | 17.03 |
| 1882–83 | ..... | ..... | .69 | 2.95 | .44 | 1.50 | 1.60 | 4.88 | 1.10 | 3.85 | ..... | ..... | 17.01 |
| 1883–84 | ..... | ..... | ..... | ..... | 3.56 | 10.57 | 10.21 | 12.41 | 3.39 | ..... | 2.26 | ..... | 42.40 |
| 1884–85 | ..... | ..... | 2.17 | .13 | 8.85 | 2.25 | ..... | .94 | 3.15 | .10 | ..... | ..... | 17.59 |
| 1885–86 | ..... | ..... | .04 | 12.90 | 3.67 | 5.78 | .79 | 2.37 | 3.75 | ..... | ..... | ..... | 29.30 |
| 1886–87 | ..... | ..... | .25 | 1.25 | 1.06 | 1.10 | 9.60 | 1.29 | 1.56 | .36 | .07 | .02 | 16.56 |
| 1887–88 | ..... | 2.05 | .25 | 1.40 | 3.15 | 7.02 | .28 | 3.84 | .14 | .16 | .04 | ..... | 18.33 |
| 1888–89 | ..... | ..... | ..... | 4.48 | 3.36 | 1.40 | 2.08 | 7.51 | .61 | ..... | ..... | ..... | *19.44 |

* Up to May 1, 1889.

The average precipitation for the last nineteen seasons is 20.69 inches.

## *Meteorological Report for 1888.*

The following meteorological report for the year 1888 was compiled for the "Republic," by J. E. Lewis, Signal Service Agent at this city. The record is from January 1 to December 31, 1888:

Number of clear days, 221; number of cloudy days, 117; number of fair days, 28. Highest temperature, 96°; lowest temperature, 27°. Greatest velocity of wind, 32 miles per hour. Number of days in which .01 of an inch or more of rain fell, 42; amount of rain in year, 11.38 inches; amount for season of 1887–88, 18.33 inches. Highest barometer, 30.098; lowest barometer, 26.251.

The rainfall for the season was not as favorable for vegetation as its quantity would indicate, from the fact that heavy rains fell in September and October, 1887, which were of no benefit whatever. There were but very light rains after January.

During January the weather was colder than ever before recorded in this section, the record of lowest self-registering thermometer being 27°, and numerous outdoor water pipes were frozen and bursted, an unprecedented occurrence. The highest thermometer was 96°, in October.

## *Weather for January, 1889, at San Luis Obispo.*

From the records of Mr. J. E. Lewis, Signal Service Observer.

Rainfall, 1.50 inches, making a total for the season of 8.34 inches. Rain fell on 4 days. There were 5 cloudy days, 5 partially cloudy, and 21 clear days. Frost is recorded on 4 mornings. Highest temperature, 70°, on the sixth; lowest, 35°, on the twentieth; lowest maximum, 55°, on the thirteenth; highest minimum, 50°, on the sixth and eleventh; average maximum temperature, 61.88°; average minimum temperature, 42.68°. Greatest velocity of wind, 20 miles an hour, on the fourth; 8 days calm; average velocity of wind in the morning, 3.84 miles per hour; average greatest velocity of wind in the evening, 7.32 miles per hour; heaviest wind from the south-

east; wind from northwest, parts of 18 days; from east, parts of 13 days; from north, parts of 7 days; from south and southeast, parts of 14 days. Highest barometer, 29.995, on the first; lowest barometer, 29.220, on the fourteenth. Elevation of point of observation, 366 feet above the level of the sea, and 206 feet above the level of the depot of the Pacific Coast Railway in the City of San Luis Obispo. Latitude, 35° 22′ north, and longitude 120° 38′ west. January is the coldest month of the year. The temperature at the hospital, where the Signal Service Station is located, shows less variation than the lower lands of the city, the difference being about 5° in extremes; the average being about the same. The rainfall is also slightly less.

*Comparative Mean Temperature of Six Coldest Months at San Luis Obispo, California.*

Temperature of six coldest months as compared with the most noted places in the world, regarding climate:

| Place. | State. | Degrees Fahrenheit. |
|---|---|---|
| San Luis Obispo | California | 56.15 |
| Santa Barbara | California | 56.55 |
| City of Mexico | Mexico | 56.03 |
| City of Lisbon | Portugal | 54.70 |
| City of San Remo | Italy | 53.80 |
| City of Mentone | France | 53.21 |
| City of Nice | Italy | 48.45 |

## Weather Report.

The U. S. Signal Service established a station at San Luis Obispo, in July, 1885, and a fire occasioned its removal after March, 1886. The following table gives the observations for the eight months of its existence. The remaining four months are always uniformly fair and pleasant:

| 1885 and 1886. | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| Days upon which rain fell* | 0 | 0 | 0 | 17 | 5 | 13 | 3 | 9 | 47 |
| Days upon which snow fell | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Days upon which frost appeared† | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| Days upon which fog appeared† | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Days which were cloudy | ------ | 0 | 0 | 11 | 5 | 12 | 1 | 5 | 34 |
| Days which were fair | ------ | 0 | 0 | 6 | 7 | 8 | 10 | 11 | 42 |
| Days which were clear | 31 | 31 | 31 | 13 | 19 | 11 | 17 | 15 | 167 |
| Highest velocity of wind | ‖5 | 28 | 32 | 44 | 36 | 34 | 28 | 42 | ------ |
| Mean temperature | 62.0 | 63.2 | 63.0 | 56.7 | 55.7 | 52.7 | 58.4 | 50.4 | 57.8 |
| Total number of days | 31 | 30 | 31 | 30 | 31 | 31 | 28 | 31 | 243 |

*Rain usually falls during hours from sunset to sunrise.
†Fog and light frosts appear only late in the evening and early in the morning.
‖Miles per hour.

## Santa Barbara, Santa Barbara County.

By Professor Hugh D. Vail.

Table of temperature, rainfall, etc., at Santa Barbara, for the years 1885, 1886, 1887, and 1888:

| Month. | Monthly Mean Temperature. | Mean of Warmest Day. | Mean of Coldest Day. | Highest Temperature. | Lowest Temperature. | Rainfall, Inches. |
|---|---|---|---|---|---|---|
| 1885—January | 53.2 | 57.0 | 49.5 | 60.0 | 39.0 | 1.23 |
| February | 56.7 | 65.5 | 51.5 | 81.0 | 41.0 | 0.07 |
| March | 59.1 | 62.5 | 56.0 | 79.0 | 45.0 | 0.35 |
| April | 60.7 | 70.5 | 54.0 | 80.0 | 44.5 | 3.00 |
| May | 60.0 | 64.6 | 54.0 | 75.0 | 44.0 | 0 |
| June | 62.4 | 64.5 | 58.5 | 83.0 | 45.0 | 0 |
| July | 66.1 | 73.0 | 62.5 | 89.0 | 50.0 | 0 |
| August | 68.0 | 76.0 | 61.5 | 92.0 | 52.0 | 0 |
| September | 66.8 | 78.8 | 62.5 | 103.5 | 51.5 | 0 |
| October | 62.9 | 72.0 | 58.5 | 89.5 | 47.0 | 0.19 |
| November | 58.9 | 64.8 | 50.0 | 77.5 | 40.0 | 9.84 |
| December | 57.2 | 65.7 | 52.0 | 81.5 | 40.0 | 2.47 |
| Annual average | 61.2 | 67.9 | 55.9 | 103.5 | 39.0 | 17.15 |
| 1886—January | 55.0 | 73.5 | 47.5 | 85.0 | 35.0 | 5.12 |
| February | 59.6 | 70.0 | 45.0 | 85.0 | 39.0 | 1.19 |
| March | 53.1 | 59.5 | 46.2 | 71.0 | 36.0 | 2.03 |
| April | 55.7 | 61.5 | 50.5 | 74.0 | 41.0 | 3.40 |
| May | 60.5 | 65.5 | 54.0 | 80.5 | 44.0 | 0 |
| June | 62.0 | 67.5 | 58.3 | 80.0 | 48.0 | 0 |
| July | 66.3 | 72.0 | 63.5 | 84.5 | 52.5 | 0 |
| August | 68.2 | 72.0 | 63.2 | 85.0 | 54.0 | 0 |
| September | 63.8 | 68.3 | 57.0 | 79.0 | 48.0 | 0 |
| October | 58.3 | 62.5 | 51.7 | 79.0 | 42.0 | 0.39 |
| November | 56.3 | 66.5 | 49.8 | 83.0 | 37.5 | 0.87 |
| December | 55.8 | 65.8 | 49.5 | 81.5 | 40.0 | 0.86 |
| Annual average | 59.6 | 67.0 | 53.0 | 85.0 | 35.0 | 13.86 |

| Month. | Monthly Mean Temperature. | Mean of Warmest Day. | Mean of Coldest Day. | Highest Temperature. | Lowest Temperature. | Rainfall, Inches. | Clear Days. | Fair Days. | Cloudy Days. |
|---|---|---|---|---|---|---|---|---|---|
| 1887—January | 54.7 | 63.5 | 49.0 | 79.0 | 37.0 | .31 | ------ | ------ | ------ |
| February | 50.4 | 61.1 | 45.3 | 79.2 | 37.0 | 8.64 | ------ | ------ | ------ |
| March | 57.0 | 64.8 | 52.0 | 82.6 | 43.0 | .13 | ------ | ------ | ------ |
| April | 58.4 | 66.8 | 51.0 | 80.5 | 41.0 | 1.43 | ------ | ------ | ------ |
| May | 60.0 | 67.0 | 53.3 | 86.0 | 43.5 | .33 | ------ | ------ | ------ |
| June | 63.7 | 79.0 | 59.0 | 95.0 | 44.0 | .03 | ------ | ------ | ------ |
| July | 64.6 | 71.3 | 60.9 | 85.5 | 40.0 | .00 | 29 | 0 | 2 |
| August | 64.8 | 69.7 | 62.0 | 81.0 | 53.0 | .00 | 28 | 2 | 1 |
| September | 66.0 | 70.5 | 61.5 | 81.2 | 51.0 | .38 | 24 | 4 | 1 |
| October | 65.0 | 74.0 | 59.3 | 91.8 | 48.5 | .31 | 24 | 3 | 3 |
| November | 58.9 | 65.3 | 47.5 | 84.6 | 39.5 | 1.10 | 24 | 2 | 4 |
| December | 52.8 | 59.6 | 49.0 | 74.2 | 38.0 | 4.43 | 26 | 1 | 4 |
| Annual average | 59.7 | 67.7 | 54.2 | 95.0 | 37.0 | *17.09 | †155 | †12 | †15 |

*Total for year. †Total for six months.

The following is a summary of the thermometrical and other observations of the weather at Santa Barbara during the year 1888:

| Month. | Mean Temperature of Month. | Mean of the Warmest Day. | Mean of the Coldest Day. | Rainfall, Inches. | Wind Movement, Miles. |
|---|---|---|---|---|---|
| January | 49.0 | 58.7 | 41.0 | 10.15 | ---------- |
| February | 53.8 | 57.5 | 49.0 | 1.30 | ---------- |
| March | 53.0 | 60.5 | 46.0 | 3.86 | 2,703 |
| April | 59.9 | 75.0 | 53.0 | 0.16 | 2,977 |
| May | 57.6 | 64.5 | 51.7 | 0.02 | 2,971 |
| June | 64.4 | 69.0 | 59.5 | ---------- | 3,115 |
| July | 67.0 | 72.0 | 63.0 | ---------- | 3,292 |
| August | 66.3 | 72.0 | 63.5 | ---------- | 2,801 |
| September | 67.9 | 76.2 | 63.2 | 0.03 | 2,705 |
| October | 63.5 | 76.9 | 59.0 | 0.07 | 2,193 |
| November | 59.8 | 64.3 | 54.5 | 5.62 | 2,409 |
| December | 56.5 | 63.0 | 52.0 | 5.05 | 2,433 |

The mean temperature of the whole year was 59.9°, and that of three summer months 65.9°, a difference of only 6°. There were but 28 days during the year when the temperature rose above 80° in the warmest part of the day, and only 16 when it fell below 40° at night. On the warmest night in the year it fell to 62.5°, and there were only 8 nights when it did not fall as low as 60°. The number of clear days in the year were 251; fair ones, 34; cloudy, 81. Rain fell on 28 days (not counting those in which the rainfall was less than .1 of an inch), with a total rainfall of 26.26 inches. For the season of 1887–88 it was 21.73 inches. The rains were mostly at night. There were but 10 days during the year that could be called rainy. The mean relative humidity for the year was 77. The movement of the wind in the ten months of which the record was kept was 27,599 miles; the meaning of which will be best understood by comparing this with the movement in the corresponding ten months at some other well known places not supposed to be windy, as Philadelphia on the Atlantic Coast, and San Diego on the Pacific, which, according to the official "Weather Review," was 74,930 miles at the former, and 40,223 at the latter.

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## Climatic Comparisons of Santa Barbara with that of San Remo and Mentone.

By Sergeant James A. Barwick, Observer Signal Corps, Sacramento, California.

Mentone and San Remo's climate, compared with Santa Barbara during each month of the year, shows that that of Santa Barbara is far superior as a summer and winter resort. The summers of San Remo and Mentone are as hot as those of the Sacramento and San Joaquin Valleys, and therefore cannot compare favorably with Santa Barbara, which has the finest and best summer temperature of any place on the Pacific Coast. The following temperature tables of Santa Barbara were compiled from Mr. Hugh D. Vail's records for 1885, 1886, and 1887, and is the average of these years. Those at Mentone are from M. de Brae's record of ten years. They are a valuable addition to tables already published for comparison with the California climate. Santa Barbara will be seen to far excel either San Remo or Mentone as a winter resort. Comparing Santa Barbara in summer, with the Italian climate, is simply a waste of words and space; for the table of comparison tells more plainly and more eloquently the great superiority of

the climate of Santa Barbara over the places mentioned. The table is as follows:

*Santa Barbara, Mentone, and San Remo's Comparative Temperature Tables.*

| Month. | Mean Average Monthly Temperature at Santa Barbara. | Mean Average Monthly Temperature at Mentone, France. | Mean Average Monthly Temperature at San Remo, Italy. |
|---|---|---|---|
| January | 54.3 | 48.2 | 47.2 |
| February | 55.6 | 48.5 | 50.2 |
| March | 56.4 | 52.0 | 52.0 |
| April | 58.3 | 57.2 | 57.0 |
| May | 60.2 | 63.0 | 62.9 |
| June | 62.6 | 70.0 | 69.2 |
| July | 65.7 | 75.0 | 74.3 |
| August | 67.0 | 75.0 | 73.8 |
| September | 65.6 | 69.0 | 70.6 |
| October | 62.1 | 64.0 | 61.8 |
| November | 58.0 | 54.0 | 53.3 |
| December | 55.3 | 49.0 | 49.3 |
| Average for twelve months | 60.1 | 60.4 | 60.1 |

The lowest temperature ever recorded at Santa Barbara was 28.5°, during the cold wave of January, 1888; while an acknowledged minimum temperature in ten years at Mentone has been recorded as 32°. But Mr. Bennett in his book says: "In more severe winters I have repeatedly known the thermometer to descend below 32° several nights consecutively, near the seashore, and at the outlet of the torrent beds, especially in the western bay. Slight films of ice then form on shallow pools on the road and near the torrents."

This has occurred at Santa Barbara upon but one night, and not as at Mentone several nights consecutively. The above table is one of the strongest advocates for Santa Barbara as being the very best winter climate in the northern hemisphere from year to year and month to month. Dr. Bennett says of Mentone, speaking of the ten years' mean obtained by him from 1859 to 1869 for six months each year, and those obtained by M. de Brea's ten years' record from 1850 to 1860, that such results show how very uniform the climate of Mentone is, especially when a sufficiently large number of years are thus compared. Now, if Dr. Bennett thinks the climate of Mentone so very uniform, what would he think of the comparison as above with Santa Barbara; the latter's mean yearly temperature as deduced from ten years of observation by different parties, with observations at different hours, is 60.2°, while in the above table the mean for each month and the year are the average of the three years—that of 1885, 1886, and 1887, and are the same as that made by other parties. It ought to do a Californian good to look at each month of the above table, and see how much warmer the Santa Barbara climate is in the winter, spring, and fall, and how much cooler it is in the summer than the far famed and much advertised Mentone and San Remo. Santa Barbara had two hundred and fourteen clear days out of two hundred and eighty-nine that were observed during 1887 by Mr. Hugh D. Vail, from whose records the above facts are obtained. Mentone and San Remo have but an average of two hundred and fourteen clear days out of three hundred and sixty-five. This comparison speaks much, yes, very much indeed, for Santa Barbara—not only as a winter resort, but a summer resort as well. Mentone and San Remo have about as hot a summer temperature as does Riverside and the Sacramento and San Joaquin Valleys, and being much more moist than the California points

mentioned, would make an atmosphere of almost suffocation, like New York, Philadelphia, and other eastern cities.

## Comparative Los Angeles Weather Report.

The following tabulated data and information in reference to the meteorological conditions of Los Angeles were compiled from the records of the United States Signal Service Office, by George E. Franklin, Observer in charge of the station, and comprises a period from the establishment of the station in July, 1877, to December, 1888, inclusive. The tabulated matter will be found to contain valuable and comprehensive data, and cannot fail to be of interest as showing the climatic advantages of this section. The temperature tables contain the highest, lowest, and mean temperatures; the number of days the temperature was above 90° and below 32°, in each month and each year, with averages for the period considered. An examination of these tables will show that there were but thirteen days on which the temperature rose to or exceeded 100°, and nine days on which it fell to 32° or below. The average number of days annually on which the temperature exceeds 90° is only fifteen. The highest recorded temperature was 108.5°, and the lowest 28°. A fact to be noted in considering these tables is that during the time of greatest heat the percentage of moisture in the atmosphere is low, and modifies the temperature so that the heat is neither oppressive nor prostrating, which is well illustrated by laborers continuing work during the hottest period.

*Highest, Lowest, and Mean Temperature for each Month, and Monthly Averages for the Period Compiled, at Los Angeles.*

| Year. | January. | | | February. | | | March | | | April. | | | May. | | | June. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. |
| 1877 | | | | | | | | | | | | | | | | | | |
| 1878 | 72.0 | 37.0 | 54.9 | 71.0 | 41.0 | 55.0 | 76.0 | 41.0 | 56.0 | 80.0 | 41.5 | 57.8 | 89.0 | 47.0 | 62.2 | 81.0 | 47.0 | 55.0 |
| 1879 | 73.7 | 36.0 | 52.2 | 80.0 | 38.6 | 55.5 | 99.0 | 42.5 | 58.5 | 88.5 | 42.2 | 58.7 | 97.0 | 43.0 | 61.0 | 103.5 | 50.5 | 65.8 |
| 1880 | 76.0 | 30.0 | 51.3 | 70.5 | 33.5 | 50.1 | 73.5 | 36.0 | 51.1 | 83.0 | 40.0 | 55.9 | 97.0 | 42.0 | 61.1 | 83.0 | 50.0 | 63.4 |
| 1881 | 71.0 | 37.0 | 51.7 | 86.0 | 42.5 | 57.9 | 89.0 | 37.0 | 55.8 | 64.0 | 48.0 | 61.4 | 89.3 | 41.0 | 62.7 | 88.0 | 48.0 | 65.6 |
| 1882 | 74.2 | 32.0 | 49.4 | 76.7 | 32.0 | 50.3 | 87.8 | 35.3 | 55.3 | 80.0 | 40.2 | 56.4 | 86.1 | 42.1 | 61.7 | 87.1 | 49.6 | 64.4 |
| 1883 | 82.0 | 30.0 | 53.5 | 82.0 | 28.0 | 52.3 | 84.0 | 42.6 | 56.7 | 89.0 | 39.0 | 57.3 | 100.0 | 39.5 | 62.1 | 100.0 | 52.0 | 68.8 |
| 1884 | 78.0 | 33.7 | 53.9 | 81.0 | 38.5 | 55.1 | 72.5 | 37.0 | 54.8 | 80.0 | 41.5 | 57.2 | 79.0 | 47.0 | 61.6 | 98.0 | 49.5 | 65.6 |
| 1885 | 71.6 | 38.0 | 53.9 | 81.0 | 36.3 | 56.6 | 85.1 | 42.3 | 60.6 | 88.6 | 44.8 | 61.9 | 80.0 | 48.6 | 63.5 | 90.1 | 47.0 | 65.0 |
| 1886 | 75.3 | 32.0 | 54.7 | 81.0 | 41.1 | 59.5 | 76.0 | 37.2 | 54.3 | 80.0 | 42.3 | 57.2 | 89.0 | 44.2 | 62.4 | 91.6 | 48.2 | 66.1 |
| 1887 | 79.6 | 33.1 | 55.4 | 81.5 | 35.4 | 51.6 | 85.0 | 41.1 | 59.1 | 87.0 | 40.3 | 59.1 | 92.0 | 44.5 | 63.1 | 100.1 | 46.7 | 66.1 |
| 1888 | 71.0 | 30.9 | 50.0 | 73.5 | 39.2 | 54.4 | 79.0 | 35.9 | 55.1 | 99.0 | 44.0 | 61.9 | 83.0 | 45.0 | 60.8 | 94.0 | 50.5 | 67.5 |
| Averages | 74.9 | 33.7 | 52.8 | 78.6 | 36.9 | 54.4 | 82.4 | 38.9 | 56.1 | 86.3 | 42.1 | 58.6 | 89.2 | 44.0 | 62.0 | 92.4 | 49.0 | 65.8 |

| Year. | July. | | | August. | | | September. | | | October. | | | November. | | | December. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. | Highest. | Lowest. | Mean. |
| 1877 | 93.0 | 55.0 | 71.1 | 87.0 | 56.0 | 70.0 | 93.0 | 52.0 | 69.6 | 80.0 | 43.0 | 63.4 | 86.0 | 45.0 | 62.1 | 81.0 | 36.5 | 56.0 |
| 1878 | 88.0 | 52.0 | 67.7 | 89.0 | 54.0 | 68.7 | 103.0 | 50.0 | 65.6 | 91.0 | 43.0 | 63.1 | 81.0 | 37.0 | 58.3 | 88.2 | 30.0 | 54.4 |
| 1879 | 84.5 | 52.0 | 66.8 | 97.5 | 53.0 | 69.5 | 101.0 | 47.0 | 67.2 | 96.5 | 42.5 | 64.3 | 84.5 | 36.5 | 55.2 | 76.0 | 30.0 | 51.9 |
| 1880 | 85.0 | 52.0 | 64.2 | 87.0 | 52.0 | 66.4 | 91.0 | 44.0 | 64.5 | 89.0 | 44.0 | 62.0 | 85.0 | 35.0 | 55.5 | 80.0 | 38.0 | 55.6 |
| 1881 | 96.1 | 52.1 | 68.8 | 99.8 | 52.1 | 69.4 | 102.0 | 50.0 | 67.9 | 82.3 | 43.0 | 60.9 | 80.8 | 34.2 | 57.5 | 79.3 | 35.3 | 54.7 |
| 1882 | 98.1 | 52.3 | 68.0 | 98.9 | 57.0 | 71.0 | 100.0 | 46.0 | 67.6 | 88.0 | 44.0 | 63.0 | 81.0 | 36.0 | 57.3 | 82.0 | 35.0 | 56.4 |
| 1883 | 90.0 | 52.5 | 69.8 | 98.0 | 50.0 | 69.8 | 103.5 | 53.0 | 71.9 | 83.0 | 43.5 | 61.0 | 84.0 | 42.0 | 59.2 | 80.0 | 37.0 | 56.3 |
| 1884 | 99.0 | 51.5 | 70.2 | 101.5 | 52.5 | 71.3 | 92.5 | 45.5 | 65.5 | 89.1 | 42.9 | 62.3 | 88.0 | 38.7 | 59.6 | 75.6 | 35.5 | 52.3 |
| 1885 | 98.5 | 52.4 | 70.0 | 105.6 | 51.2 | 72.7 | 108.5 | 51.2 | 69.5 | 102.3 | 41.6 | 64.8 | 78.5 | 40.3 | 59.5 | 82.0 | 40.3 | 57.9 |
| 1886 | 98.1 | 50.4 | 69.7 | 98.1 | 53.7 | 71.8 | 91.3 | 48.3 | 65.6 | 82.2 | 41.1 | 59.3 | 84.9 | 34.1 | 56.6 | 84.8 | 37.3 | 55.7 |
| 1887 | 98.1 | 51.1 | 69.5 | 93.6 | 52.1 | 68.5 | 91.0 | 49.2 | 68.2 | 93.2 | 47.2 | 65.0 | 86.0 | 38.8 | 60.0 | 73.2 | 35.2 | 53.7 |
| 1888 | 95.0 | 49.0 | 67.9 | 97.0 | 51.3 | 67.6 | 98.2 | 55.0 | 68.4 | 98.0 | 44.0 | 61.9 | 83.8 | 40.0 | 57.2 | 78.8 | 41.0 | 55.2 |
| Averages | 93.6 | 51.9 | 68.6 | 96.6 | 53.2 | 69.7 | 98.6 | 49.3 | 67.6 | 89.6 | 43.3 | 62.6 | 83.6 | 38.1 | 58.2 | 80.1 | 35.9 | 55.0 |

*Table Showing the Prevailing Direction of Wind, Average Daily Movement, and Highest Velocity, at Los Angeles.*

| Year. | January. | | | February. | | | March. | | | April. | | | May. | | | June. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | |
| | | Average. | Max. | | Average. | Max. | | Average. | Max. | | Average. | Max. | | Average. | Max. | | Average. | Max. |
| 1877 | | | | | | | | | | | | | | | | | | |
| 1878 | N. | 126.5 | 26 | N. | 141.0 | 25 | N. | 119.0 | 20 | S.W. | 114.3 | 25 | S.W. | 111.6 | 16 | S.W. | 105.3 | 15 |
| 1879 | N.E. | 133.4 | 29 | N.E. | 193.1 | 17 | S.W. | 103.7 | 22 | S.W. | 127.4 | 23 | S.W. | 135.4 | 21 | W. | 119.1 | 17 |
| 1880 | N. | 103.7 | 21 | N.E. | 127.6 | 26 | N.E. | 116.8 | 17 | S.W. | 135.8 | 23 | S.W. | 113.2 | 19 | S.W. | 106.2 | 14 |
| 1881 | N.E. | 105.1 | 17 | N.E. | 159.4 | 33 | N.E. | 136.2 | 46 | W. | 126.5 | 24 | W. | 139.6 | 19 | W. | 140.6 | 20 |
| 1882 | N.E. | 152.0 | 48 | N.E. | 139.2 | 30 | W. | 142.9 | 30 | W. | 92.9 | 30 | W. | 125.1 | 26 | W. | 137.5 | 18 |
| 1883 | N.E. | 178.2 | 34 | N.E. | 161.4 | 28 | W. | 124.3 | 22 | W. | 171.2 | 42 | W. | 157.1 | 24 | W. | 129.9 | 21 |
| 1884 | N.E. | 166.6 | 24 | N.E. | 189.1 | 40 | N.E. | 183.3 | 30 | W. | 150.4 | 24 | W. | 129.9 | 18 | W. | 128.4 | 20 |
| 1885 | N.E. | 136.3 | 20 | N.E. | 134.6 | 26 | W. | 114.9 | 20 | W. | 143.7 | 28 | W. | 102.9 | 23 | W. | 124.8 | 21 |
| 1886 | E. | 168.6 | 37 | N.E. | 143.2 | 29 | W. | 146.9 | 25 | W. | 150.9 | 28 | W. | 138.2 | 20 | W. | 126.2 | 17 |
| 1887 | N.E. | 141.5 | 24 | S.E. | 189.3 | 32 | W. | 123.3 | 18 | W. | 136.2 | 37 | W. | 151.8 | 30 | W. | 148.1 | 20 |
| 1888 | E. | 142.1 | 33 | W. | 121.2 | 23 | W. | 149.1 | 30 | W. | 138.5 | 28 | W. | 137.8 | 24 | W. | 136.1 | 19 |

| Year. | July. | | | August. | | | September. | | | October. | | | November. | | | December. | | | Annual. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | | Direction. | Velocity. | |
| | | Av. | Max. | | Av. | Max. | | Av. | Max. | | Av. | Max. | | Av. | Max. | | Av. | Max. | | Av. | Max. |
| 1877 | W. | 104.1 | 13 | W. | 93.9 | 16 | W. | 107.9 | 12 | W. | 111.1 | 24 | N. | 111.8 | 24 | N. | 119.5 | 24 | W. | 108.0 | 24 |
| 1878 | W. | 106.2 | 15 | W. | 98.4 | 15 | W. | 101.2 | 16 | W. | 92.5 | 14 | N. | 109.8 | 21 | N.E. | 126.0 | 23 | N.&W. | 112.6 | 26 |
| 1879 | W. | 106.3 | 14 | W. | 98.7 | 14 | W. | 92.3 | 15 | N.E. | 114.5 | 23 | N.E. | 101.7 | 24 | N.E. | 109.3 | 27 | N.E. | 111.2 | 29 |
| 1880 | S.W. | 108.9 | 22 | S.W. | 102.5 | 19 | S.W. | 89.8 | 14 | S.W. | 78.2 | 16 | N.E. | 63.9 | 17 | N.E. | 77.5 | 22 | S.W. | 102.0 | 26 |
| 1881 | W. | 136.8 | 19 | W. | 128.8 | 21 | W. | 131.3 | 24 | W. | 124.1 | 24 | S.W. | 175.3 | 43 | W. | 131.9 | 26 | W. | 136.3 | 46 |
| 1882 | S.W. | 134.2 | 18 | W. | 131.3 | 17 | W. | 130.1 | 28 | W. | 137.6 | 28 | N.N.E. | 130.7 | 20 | N.E. | 141.4 | 28 | W. | 132.9 | 48 |
| 1883 | W. | 131.0 | 16 | W. | 126.6 | 17 | W. | 126.0 | 20 | W. | 146.6 | 26 | N.E. | 132.9 | 16 | N.E. | 141.6 | 28 | W. | 143.9 | 42 |
| 1884 | W. | 102.1 | 18 | W. | 119.2 | 20 | W. | 119.4 | 18 | W. | 119.6 | 24 | W. | 109.5 | 14 | N.E. | 139.8 | 34 | W. | 138.1 | 40 |
| 1885 | W. | 101.6 | 20 | W. | 99.9 | 22 | W. | 85.4 | 18 | W. | 81.1 | 17 | E.S.E. | 156.7 | 26 | N.E. | 158.6 | 36 | W. | 120.0 | 36 |
| 1886 | W. | 130.2 | 22 | W. | 121.3 | 18 | W. | 112.5 | 16 | W. | 131.5 | 24 | N.E. | 148.9 | 30 | N.E. | 118.4 | 20 | W. | 136.4 | 37 |
| 1887 | W. | 128.2 | 20 | W. | 130.0 | 18 | W. | 124.9 | 23 | W. | 136.1 | 34 | W. | 122.3 | 18 | N.E. | 153.9 | 37 | W. | 140.5 | 37 |
| 1888 | W. | 133.4 | 21 | W. | 124.2 | 18 | W. | 117.3 | 23 | W. | 109.9 | 18 | N.E. | 70.9 | 18 | W. | 87.1 | 26 | W. | 122.4 | 33 |

The average annual direction is west; average daily movement, 125.6 miles, and average hourly velocity, 5.2 miles.

*Table Showing the Number of Days in each Month and each Year the Temperature was above Ninety Degrees and below Thirty-two Degrees, at Los Angeles.*

| Year: | 1877 | 1878 | 1879 | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January—Above 90° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below 32° | .... | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| February—Above 90° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below 32° | .... | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| March—Above 90° | .... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below 32° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April—Above 90° | .... | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Below 32° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May—Above 90° | .... | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 |
| Below 32° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| June—Above 90° | .... | 0 | 3 | 0 | 0 | 0 | 6 | 2 | 1 | 4 | 2 | 3 |
| Below 32° | .... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| July—Above 90° | 3 | 0 | 0 | 0 | 5 | 3 | 0 | 5 | 7 | 9 | 3 | 6 |
| Below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August—Above 90° | 0 | 0 | 2 | 0 | 4 | 5 | 8 | 7 | 11 | 13 | 3 | 8 |
| Below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| September—Above 90° | 1 | 4 | 4 | 1 | 7 | 2 | 10 | 1 | 5 | 1 | 2 | 9 |
| Below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| October—Above 90° | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 2 |
| Below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November—Above 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December—Above 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below 32° | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Annual—Above 90° | 4 | 5 | 18 | 2 | 17 | 10 | 27 | 15 | 26 | 27 | 17 | 30 |
| Below 32° | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |

*Table Showing the Monthly and Annual Mean Relative Humidity and Averages, at Los Angeles.*

| Year. | January | February | March | April | May | June | July | August | September | October | November | December | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877 | ..... | ..... | ..... | ..... | ..... | ..... | 63.9 | 63.4 | 63.5 | 66.9 | 45.3 | 57.4 | 60.1 |
| 1878 | 61.7 | 69.9 | 73.9 | 71.3 | 71.7 | 72.8 | 70.9 | 70.3 | 62.2 | 60.4 | 58.5 | 48.1 | 66.0 |
| 1879 | 64.0 | 73.9 | 71.0 | 65.2 | 62.3 | 65.3 | 69.6 | 68.4 | 81.2 | 53.2 | 71.2 | 70.9 | 68.0 |
| 1880 | 64.3 | 66.9 | 76.1 | 73.1 | 73.0 | 66.9 | 74.2 | 74.0 | 71.3 | 65.0 | 56.3 | 70.9 | 69.3 |
| 1881 | 64.8 | 62.9 | 65.3 | 71.2 | 70.0 | 68.6 | 67.4 | 68.8 | 66.8 | 70.4 | 51.2 | 64.1 | 66.0 |
| 1882 | 69.6 | 63.5 | 65.1 | 71.9 | 65.8 | 68.5 | 67.2 | 66.4 | 66.9 | 63.1 | 59.0 | 54.8 | 65.2 |
| 1883 | 52.8 | 60.6 | 80.1 | 68.2 | 71.7 | 72.5 | 72.8 | 71.1 | 66.9 | 69.2 | 59.5 | 68.3 | 67.4 |
| 1884 | 61.9 | 71.1 | 76.0 | 79.4 | 76.1 | 75.5 | 72.4 | 72.6 | 72.5 | 71.8 | 71.2 | 77.2 | 73.1 |
| 1885 | 65.2 | 66.3 | 65.6 | 69.6 | 75.3 | 68.9 | 71.0 | 69.8 | 75.9 | 77.9 | 77.7 | 71.6 | 71.2 |
| 1886 | 77.8 | 75.5 | 80.9 | 80.1 | 74.5 | 75.9 | 72.8 | 77.2 | 81.6 | 80.0 | 67.1 | 79.1 | 76.9 |
| 1887 | 66.3 | 81.5 | 78.5 | 78.9 | 72.9 | 78.5 | 82.7 | 80.9 | 82.0 | 72.7 | 78.1 | 74.4 | 77.3 |
| 1888 | 80.1 | 83.2 | 77.7 | 75.2 | 79.2 | 74.1 | 75.6 | 79.4 | 77.7 | 82.4 | 74.1 | 71.0 | 77.5 |
| Av'ages | 66.2 | 70.5 | 73.6 | 73.1 | 72.0 | 71.6 | 71.7 | 71.9 | 72.4 | 69.4 | 64.1 | 67.3 | 69.9 |

The following table shows the number of clear, fair, and cloudy days in each month and each year, with averages. It will be observed that the average annual number of clear days is 180; fair days, 137; and the average annual number of cloudy days is but 48; showing an average of 317 days on which the sun shone brightly or was but partially obscured, at Los Angeles:

*Table Showing the Number of Clear, Fair, and Cloudy Days in Each Month, and Each Year, with Averages.*

| Month. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | Average. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January—Clear | | 13 | 16 | 20 | 17 | 18 | 21 | 17 | *17 | 13 | 21 | 14 | 17 |
| Fair | | 10 | 10 | 10 | 9 | 6 | 6 | 8 | *10 | 6 | 10 | 8 | 8 |
| Cloudy | | 8 | 5 | 1 | 5 | 7 | 4 | 6 | 3 | 12 | 0 | 9 | 6 |
| February—Clear | | 13 | 6 | 16 | 14 | 16 | 13 | 11 | 16 | 20 | 13 | 14 | 14 |
| Fair | | 6 | 13 | 8 | 12 | 9 | 9 | 8 | 11 | 4 | 9 | 8 | 9 |
| Cloudy | | 9 | 9 | 5 | 2 | 3 | 6 | 10 | 1 | 4 | 6 | 7 | 5 |
| March—Clear | | 7 | 16 | 16 | 15 | 15 | 6 | 9 | 14 | 14 | 18 | 10 | 13 |
| Fair | | 18 | 5 | 10 | 13 | 5 | 14 | 11 | 12 | 11 | 12 | 12 | 11 |
| Cloudy | | 6 | 10 | 5 | 3 | 11 | 11 | 11 | 5 | 6 | 1 | 9 | 7 |
| April—Clear | | 8 | 13 | 8 | 6 | 16 | 10 | 11 | 11 | 13 | 11 | 14 | 11 |
| Fair | | 13 | 12 | 10 | 13 | 9 | 18 | 13 | 12 | 10 | 10 | 8 | 12 |
| Cloudy | | 9 | 5 | 12 | 11 | 5 | 2 | 7 | 7 | 7 | 9 | 8 | 7 |
| May—Clear | | 11 | 22 | 15 | 9 | 12 | 12 | 7 | 4 | 14 | 14 | 5 | 11 |
| Fair | | 10 | 9 | 11 | 15 | 11 | 15 | 16 | 21 | 14 | *11 | 18 | 14 |
| Cloudy | | 10 | 0 | 5 | 7 | 8 | 4 | 8 | 6 | 3 | 5 | 8 | 6 |
| June—Clear | | 3 | 3 | 7 | 12 | 11 | 15 | 8 | 15 | *10 | 17 | 17 | 11 |
| Fair | | 15 | 24 | 22 | 16 | 14 | 12 | 9 | 14 | *16 | 10 | 12 | 15 |
| Cloudy | | 12 | 3 | 1 | 2 | 5 | 3 | 13 | 1 | 3 | 3 | 1 | 4 |
| July—Clear | 19 | 5 | 23 | 5 | 11 | 9 | 11 | 24 | 14 | 15 | 13 | 17 | 13 |
| Fair | 11 | 26 | 18 | 23 | 19 | 22 | 19 | 7 | 16 | 14 | 13 | 13 | 17 |
| Cloudy | 1 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 2 | 5 | 1 | 1 |
| August—Clear | 22 | 10 | 17 | 12 | 12 | *16 | 20 | 23 | 16 | 21 | 11 | 23 | *17 |
| Fair | 8 | 19 | 14 | 16 | 18 | *6 | 10 | 8 | 14 | 8 | 20 | 8 | *12 |
| Cloudy | 1 | 2 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | *1 |
| September—Clear | 16 | 15 | 18 | 6 | 17 | 26 | 22 | 20 | 18 | 15 | 15 | 21 | 18 |
| Fair | 11 | 14 | 12 | 23 | 11 | 2 | 8 | 8 | 12 | 15 | 12 | 7 | 11 |
| Cloudy | 3 | 1 | 0 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 3 | 2 | 1 |
| October—Clear | 18 | 17 | 19 | 9 | 19 | 20 | 13 | 25 | 21 | 15 | 24 | 16 | 18 |
| Fair | 11 | 13 | 9 | 16 | 9 | 9 | 14 | 4 | 10 | 14 | 6 | 10 | 10 |
| Cloudy | 2 | 1 | 3 | 6 | 3 | 2 | 4 | 2 | 0 | 2 | 1 | 5 | 3 |
| November—Clear | 22 | 17 | 17 | 17 | 25 | 16 | 18 | 21 | 14 | 22 | 18 | 15 | 18 |
| Fair | 7 | 11 | 10 | 12 | 5 | 8 | 11 | 7 | 8 | 7 | 9 | 8 | 9 |
| Cloudy | 1 | 2 | 3 | 1 | 0 | 6 | 1 | 2 | 8 | 1 | 3 | 7 | 3 |
| December—Clear | 18 | 22 | 13 | 10 | 15 | 22 | 22 | *13 | 21 | 18 | 21 | 18 | 18 |
| Fair | 7 | 4 | 10 | 10 | 14 | 8 | 7 | *11 | 5 | 12 | 7 | 6 | 8 |
| Cloudy | 6 | 5 | 8 | 11 | 2 | 1 | 2 | 6 | 5 | 1 | 3 | 7 | 5 |
| Annual—Clear | 115 | 141 | 173 | 141 | 172 | 197 | 183 | 189 | 181 | 190 | 196 | 184 | 180 |
| Fair | 55 | 159 | 146 | 171 | 154 | 109 | 143 | 110 | 145 | 131 | 129 | 118 | 136 |
| Cloudy | 14 | 65 | 46 | 54 | 39 | 51 | 39 | 66 | 38 | 43 | 39 | 64 | 49 |

*Record incomplete.

*Precipitation, Including Deposit from Fog and Dew, in Inches and Hundredths.—Table Showing the Monthly, Annual, and Average Precipitation, at Los Angeles.*

| Year. | Jan. | Feb. | March. | April. | May | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | An'ual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877 | | | | | | | .00 | .00 | .00 | .86 | .45 | 3.93 | 5.24 |
| 1878 | 3.33 | 7.68 | 2.57 | 1.71 | .66 | .07 | .00 | .00 | .00 | .14 | .00 | 4.70 | 20.86 |
| 1879 | 3.59 | .97 | .49 | 1.19 | .24 | .03 | .00 | .00 | .00 | .93 | 3.44 | 6.53 | 17.41 |
| 1880 | 1.33 | 1.56 | 1.45 | 5.06 | .04 | .00 | T. | T. | .00 | .14 | .67 | 8.40 | 18.65 |
| 1881 | 1.43 | .36 | 1.66 | .46 | .01 | .00 | .00 | T. | T. | .82 | .27 | .52 | 5.53 |
| 1882 | 1.01 | 2.66 | 2.66 | 1.83 | .63 | T. | .00 | .00 | T. | .05 | 1.82 | .08 | 10.74 |
| 1883 | 1.62 | 3.47 | ·2.87 | .15 | 2.02 | .03 | T. | .00 | .00 | 1.42 | .00 | 2.56 | 14.14 |
| 1884 | 3.15 | 13.37 | 12.36 | 3.58 | .39 | 1.39 | .02 | .02 | T. | .39 | 1.07 | 4.65 | 40.39 |
| 1885 | 1.05 | .01 | .01 | 2.01 | .06 | T. | T. | T. | .05 | .30 | 5.55 | 1.65 | 10.69 |
| 1886 | 7.78 | 1.41 | 2.52 | 3.32 | .01 | .11 | .27 | .21 | .11 | .02 | 1.18 | .26 | 17.20 |
| 1887 | .20 | 9.25 | .29 | 2.36 | .20 | .07 | .07 | T. | .18 | .17 | .80 | 2.68 | 16.27 |
| 1888 | 6.04 | .80 | 3.17 | .12 | .05 | .01 | .04 | .10 | .03 | .40 | 4.02 | 6.26 | 21.04 |
| Ave'ges | 2.78 | 3.78 | 2.73 | 1.98 | .39 | .16 | .03 | .03 | .03 | .47 | 1.61 | 3.12 | 16.51 |

## RAINFALL AT LOS ANGELES, LOS ANGELES COUNTY.

The following figures, from February, 1872, to June, 1877, are from the records of Mr. C. Duycommun, of Los Angeles; from July, 1877, to date, from Signal Office records:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872 | ------ | 2.25 | .43 | .97 | .10 | none | none | .22 | none | none | none | 4.42 | 8.39 | 1872–73 | 13.96 |
| 1873 | 2.08 | 7.19 | .05 | none | none | none | none | 1.06 | none | none | .74 | 5.74 | 16.86 | 1873–74 | 24.78 |
| 1874 | 5.51 | 9.77 | 1.09 | .45 | .42 | none | none | none | .06 | 1.81 | 1.89 | .20 | 21.20 | 1874–75 | 21.67 |
| 1875 | 17.22 | .15 | .22 | .07 | .05 | none | none | none | none | none | 7.57 | .82 | 26.10 | 1875–76 | 26.74 |
| 1876 | 6.54 | 7.92 | 3.41 | .45 | .03 | none | none | none | none | .40 | none | none | 18.75 | 1876–77 | 5.28 |
| 1877 | 3.48 | .01 | .83 | .26 | .30 | none | none | none | none | .86 | .45 | 3.93 | 10.12 | 1877–78 | 21.26 |
| 1878 | 3.33 | 7.68 | 2.57 | 1.71 | .66 | .07 | none | none | none | .14 | none | 4.70 | 20.86 | 1878–79 | 11.35 |
| 1879 | 3.59 | .97 | .49 | 1.19 | .24 | .03 | none | none | none | .93 | 3.44 | 6.53 | 17.41 | 1879–80 | 20.34 |
| 1880 | 1.33 | 1.56 | 1.45 | 5.06 | .04 | none | sprin. | sprin. | none | .14 | .67 | 8.40 | 18.65 | 1880–81 | 13.13 |
| 1881 | 1.43 | .36 | 1.66 | .46 | .01 | none | none | sprin. | sprin. | .82 | .27 | .52 | 5.53 | 1881–82 | 10.40 |
| 1882 | 1.01 | 2.66 | 2.66 | 1.83 | .63 | sprin. | none | none | sprin. | .05 | 1.82 | .08 | 10.74 | 1882–83 | 12.11 |
| 1883 | 1.62 | 3.47 | 2.87 | .15 | 2.02 | .03 | sprin. | none | none | 1.42 | none | 2.56 | 14.14 | 1883–84 | 38.22 |
| 1884 | 3.15 | 13.37 | 12.36 | 3.58 | .39 | 1.39 | .02 | .02 | sprin. | .39 | 1.07 | 4.65 | 40.39 | 1884–85 | 9.29 |
| 1885 | 1.05 | .01 | .01 | 2.01 | .06 | sprin. | sprin. | sprin. | .05 | .30 | 5.55 | 1.65 | 10.69 | 1885–86 | 22.72 |
| 1886 | 7.78 | 1.41 | 2.52 | 3.32 | .01 | .11 | .27 | .21 | .11 | .02 | 1.18 | .26 | 17.22 | 1886–87 | 14.42 |
| 1887 | .20 | 9.25 | .29 | 2.36 | .20 | .07 | .07 | sprin. | .18 | .17 | .80 | 2.68 | 16.07 | 1887–88 | 14.09 |
| 1888 | 6.04 | .80 | 3.17 | .12 | .05 | .01 | .04 | .10 | .03 | .40 | 4.02 | 6.26 | 21.04 | 1888–89 | *10.85 |

*Up to January 1, 1889.

The following table shows the number of days on which .01 of an inch or more precipitation occurred, excluding fog and dew:

| Year. | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | An'ual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877 | ----- | ----- | ----- | ----- | ----- | ----- | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| 1878 | 7 | 10 | 9 | 7 | 10 | 4 | 0 | 0 | 0 | 3 | 0 | 4 | 54 |
| 1879 | 9 | 7 | 6 | 6 | 2 | 2 | 0 | 0 | 0 | 3 | 3 | 10 | 48 |
| 1880 | 5 | 8 | 6 | 13 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 13 | 51 |
| 1881 | 3 | 4 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 24 |
| 1882 | 6 | 5 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 39 |
| 1883 | 3 | 4 | 7 | 3 | 6 | 2 | 0 | 0 | 0 | 2 | 0 | 6 | 33 |
| 1884 | 5 | 14 | 18 | 9 | 4 | 6 | 0 | 0 | 0 | 2 | 3 | 10 | 71 |
| 1885 | 2 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 1 | 9 | 4 | 26 |
| 1886 | 10 | 2 | 8 | 4 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 3 | 32 |
| 1887 | 2 | 13 | 2 | 5 | 3 | 1 | 2 | 0 | 1 | 1 | 3 | 4 | 37 |
| 1888 | 9 | 5 | 11 | 3 | 1 | 0 | 1 | 1 | 0 | 3 | 8 | 6 | 48 |
| Av'ges | 6 | 7 | 8 | 6 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | 5 | 42 |

Table showing the precipitation by seasons, and the beginning and ending of the rainy season at Los Angeles:

*Precipitation by Seasons.*

| | | | |
|---|---|---|---|
| 1878–79 | 11.35 | 1884–85 | 9.25 |
| 1879–80 | 20.34 | 1885–86 | 22.58 |
| 1880–81 | 13.13 | 1886–87 | 13.76 |
| 1881–82 | 10.40 | 1887–88 | 14.01 |
| 1882–83 | 12.11 | 1888–89 | *10.68 |
| 1883–84 | 38.22 | | |

* Precipitation for 1888–89 is from October to December, 1888.

*Beginning and Ending of Rainy Season at Los Angeles.*

| Year. | Began. | Ended. |
|---|---|---|
| 1878–79 | December 28, 1878 | June 16, 1879. |
| 1879–80 | October 12, 1879 | May 11, 1880. |
| 1880–81 | October 8, 1880 | May 16, 1881. |
| 1881–82 | October 25, 1881 | May 25, 1882. |
| 1882–83 | October 1, 1882 | June 11, 1883. |
| 1883–84 | October 4, 1883 | June 21, 1884. |
| 1884–85 | October 9, 1884 | May 11, 1885. |
| 1885–86 | October 16, 1885 | April 13, 1886. |
| 1886–87 | October 10, 1886 | May 31, 1887. |
| 1887–88 | September 21, 1887 | May 4, 1888. |
| 1888–89 | October 17, 1888. | |

Note.—Showers of rain occurred in July and August, 1886, aggregating .45 of an inch, and light showers fell in June and July, 1888.

The following table shows the seasonal and annual averages as deduced from the foregoing data, and will be valuable as showing the yearly characteristic of the Los Angeles climate:

| | Winter. | Spring. | Summer. | Autumn. | Annual. |
|---|---|---|---|---|---|
| Mean average temperature | 54.1 | 58.9 | 68.0 | 62.7 | 61.0 |
| Mean average humidity | 68.0 | 72.9 | 71.7 | 68.6 | 70.3 |
| Mean average number of clear days | 49 | 35 | 41 | 54 | 180 |
| Mean average number of fair days | 25 | 37 | 44 | 30 | 136 |
| Mean average number of cloudy days | 16 | 20 | 6 | 7 | 49 |
| Prevailing direction of wind | N.E. | W. | W. | W. | W. |
| Mean average daily velocity of wind | 138.5 | 133.0 | 116.9 | 120.6 | 125.6 |

Average annual precipitation, 16.10 inches.
Average seasonal precipitation, 16.52 inches.
Average annual number of days on which an appreciable rain fell, 42.
Average beginning of rainy season is in October, and average ending in May.

## Riverside Weather—Comparison of Climates.

From the "Riverside Press," 1888.

The report of the State Board of Health, just received, furnishes a great amount of readable matter upon a variety of topics relating to health conditions. Opening at random, we find a table of temperatures at prominent health resorts, from which we select a few for comparison with California towns. The following table gives the mean temperatures of the seasons and the mean annual temperature:

| | Winter. | Spring. | Summer. | Autumn. | Mean Annual Temp. |
|---|---|---|---|---|---|
| Madeira | 60.6 | 62.4 | 69.6 | 67.3 | 65.0 |
| Palermo | 53.1 | 59.3 | 74.7 | 66.8 | 64.4 |
| St. Michael's (Azores) | 57.8 | 61.2 | 68.3 | 62.3 | 62.4 |
| Naples | 48.5 | 58.5 | 70.8 | 64.5 | 61.4 |
| Nice | 47.8 | 56.2 | 72.3 | 61.6 | 59.5 |
| Florence | 44.3 | 56.0 | 74.0 | 60.7 | 59.0 |
| Red Bluff, California | 46.8 | 59.8 | 79.7 | 63.2 | 62.4 |
| Auburn | 46.2 | 56.4 | 74.3 | 61.7 | 59.7 |
| Oroville | 52.0 | 64.5 | 78.8 | 64.3 | 64.9 |
| Fresno | 50.2 | 64.9 | 84.1 | 67.6 | 66.7 |
| Los Angeles | 53.6 | 58.4 | 67.8 | 62.7 | 60.6 |
| Riverside | 50.4 | 64.1 | 73.7 | 65.7 | 63.5 |
| San Diego | 54.6 | 58.1 | 66.8 | 62.6 | 60.5 |

The above would seem to indicate that in the main the temperatures do not differ materially, and yet it is well known that a table giving merely the mean temperature of a locality conveys very little idea of what the climate really is. To illustrate:

| | Highest Temp. | Lowest Temp. | Annual Rainfall. |
|---|---|---|---|
| Red Bluff | 110 | 16 | 27.46 |
| Oroville | 102 | 20 | 22.11 |
| Auburn | 106 | 13 | 33.15 |
| Fresno | 115 | 18 | 9.57 |
| Los Angeles | 102 | 28 | 17.64 |
| Riverside | 105 | 25 | 8.16 |
| San Diego | 101 | 32 | 11.01 |

Another thing which these tables show, and this is something of interest to the health-seeker. It is constantly urged that the central portion of the State is a more agreeable climate. We admit that it has features which are more attractive, but they are features due to conditions which the man with delicate lungs or the rheumatic patient would do well to consider. The greater prevalence of natural woods adds greatly to the beauty of the scenery, which is often heightened by the undulating character of much of the country in what is called their "thermal belt." The greater number of live oaks and other wild trees indicate a moister climate, and the hilly lands best adapted to fruit growing are expensive to irrigate. The second table fully confirms the idea of a moister climate, if we were not convinced by the indications nature gives of the fact in the more common growth of forest trees. Compare the rainfall of Riverside, 8.16 inches, and Colton, 9.84 inches, with Auburn, 33.15 inches, and Oroville's 22.11 inches. It will appear that where there is one rainy day in Riverside in winter there are over four at Auburn, and nearly three at Oroville. Here is a point for delicate people to study who are looking over this State with a view to settlement. The advantage which California's climate offers over that of the East is not simply its absence of severe cold, but rather the smaller amount of stormy weather which makes almost constant out-of-door life possible. Nowhere at any desirable point in the State can be found a spot where there are fewer rainy days in the year than in Riverside, and this is why it has become so popular a resort for people with delicate lungs, or with rheumatic troubles. It is this peculiarity which gives and always will give Southern California the advantage over the northern part of the State as a place for residence, at least for delicate people.

From the second table it will be seen that there are reasons shown why Riverside—and this applies equally to all this great San Bernardino Valley—is better adapted to orange and lemon growing than the points at the north where they are now so energetically planting citrus trees. Oroville has an annual mean temperature a little higher than Riverside, and yet the record shows that the mercury dropped last season 5° lower than it did here, and remained at the low point longer, and we know how dangerous a temperature even 25° is to oranges and lemons. Red Bluff shows a record of 16° and Auburn 13° above, both low enough to ruin all citrus fruits, and the latter figure a dangerous one even to the olive. Fresno, whose hot, dry climate has proved so admirably adapted to raisin making, shows a record of 115° in summer, but drops far below the danger point to oranges, 18° in winter.

Riverside is confessedly the most successful orange-growing section in the State, and yet her experienced growers know how anxious they are when the mercury gets as low as 28°, and that 6° lower than that means the loss of much of the crop. But that difference is just about the advantage this section has over points now selected for orange growing at the north. It is just this greater security to our crops that makes our climate so much to be preferred by those who desire to engage in orange growing, and it is this one item alone which gives much greater value to land in Southern California, which is in hardly any other respect superior.

*"Riverside Press" Signal Service Weather Record.*

The following shows the highest and lowest temperature, and the average temperature, humidity, and barometer, along with the prevailing direction of wind for each day of each month during the year 1888, at Riverside, California, from the "Riverside Press:"

| Date | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| January 1 | 56.0 | 30.5 | 43.3 | 64.7 | 30.09 | N.W. |
| January 2 | 64.0 | 33.0 | 48.5 | 67.1 | 30.02 | W. |
| January 3 | 54.5 | 37.0 | 45.7 | 85.0 | 29.78 | S.E. |
| January 4 | 54.0 | 45.5 | 49.8 | 79.4 | 29.64 | S.E. |
| January 5 | 47.0 | 36.5 | 41.8 | 86.8 | 29.74 | S.E. |
| January 6 | 51.0 | 36.0 | 43.5 | 78.0 | 29.87 | S.W. |
| January 7 | 46.5 | 32.0 | 39.3 | 66.4 | 30.00 | E. |
| January 8 | 47.0 | 25.5 | 36.3 | 59.7 | 30.00 | N.E. |
| January 9 | 42.5 | 34.0 | 38.3 | 57.9 | 30.01 | N. |
| January 10 | 49.0 | 32.0 | 40.5 | 61.8 | 30.05 | N.E. |
| January 11 | 57.0 | 38.0 | 47.5 | 74.1 | 30.11 | N.W. |
| January 12 | 54.0 | 32.0 | 43.0 | 80.1 | 30.13 | N.E. |
| January 13 | 56.5 | 37.0 | 46.8 | 81.9 | 30.02 | S.W. |
| January 14 | 51.0 | 36.0 | 43.5 | 60.3 | 30.04 | N. |
| January 15 | 49.0 | 27.5 | 38.3 | 61.1 | 30.07 | N.E. |
| January 16 | 51.5 | 25.5 | 38.5 | 66.2 | 30.12 | S.W. |
| January 17 | 55.0 | 30.0 | 42.5 | 60.4 | 30.32 | N. |
| January 18 | 55.0 | 36.0 | 45.5 | 55.1 | 30.26 | N.E. |
| January 19 | 59.0 | 36.0 | 47.5 | 71.5 | 29.96 | N.E. |
| January 20 | 54.0 | 44.0 | 49.0 | 96.4 | 29.93 | E. |
| January 21 | 63.0 | 47.5 | 55.3 | 89.0 | 30.02 | E. |
| January 22 | 65.0 | 48.5 | 56.8 | 82.8 | 29.94 | W. |
| January 23 | 66.0 | 54.0 | 60.0 | 81.3 | 30.06 | S.W. |
| January 24 | 65.0 | 53.0 | 59.0 | 81.7 | 30.09 | W. |
| January 25 | 71.0 | 42.5 | 56.8 | 72.9 | 30.11 | N.E. |
| January 26 | 74.0 | 40.5 | 57.3 | 75.3 | 30.08 | N.E. |
| January 27 | 62.0 | 42.0 | 52.0 | 82.1 | 30.06 | W. |
| January 28 | 65.0 | 43.0 | 54.0 | 85.0 | 30.03 | N.E. |
| January 29 | 66.0 | 41.5 | 53.8 | 83.5 | 30.01 | S.W. |
| January 30 | 65.0 | 42.0 | 53.5 | 82.9 | 29.99 | N.E. |
| January 31 | 58.0 | 48.0 | 53.0 | 82.5 | 29.96 | S.W. |
| February 1 | 64.0 | 48.0 | 56.0 | 84.4 | 29.98 | S.W. |
| February 2 | 60.0 | 38.0 | 49.0 | 78.1 | 29.99 | E. |
| February 3 | 60.0 | 33.0 | 46.5 | 78.9 | 29.90 | W. |
| February 4 | 63.0 | 43.0 | 53.0 | 79.5 | 29.90 | S.W. |
| February 5 | 64.0 | 36.0 | 50.0 | 73.8 | 29.90 | E. |
| February 6 | 65.0 | 38.5 | 51.8 | 67.2 | 29.91 | N. |
| February 7 | 64.0 | 37.0 | 50.5 | 78.8 | 29.90 | S.W. |
| February 8 | 65.0 | 36.0 | 50.5 | 74.9 | 29.91 | S.W. |
| February 9 | 55.0 | 40.0 | 47.5 | 83.2 | 29.93 | S.W. |
| February 10 | 57.0 | 48.0 | 52.5 | 82.9 | 29.95 | W. |
| February 11 | 69.0 | 47.0 | 58.0 | 83.7 | 29.99 | W. |
| February 12 | 67.0 | 40.0 | 53.5 | 77.9 | 29.99 | S.W. |
| February 13 | 69.0 | 48.0 | 58.5 | 82.4 | 29.94 | S.W. |
| February 14 | 61.0 | 48.0 | 54.5 | 81.7 | 29.96 | N.W. |
| February 15 | 52.0 | 44.0 | 53.0 | 81.8 | 30.00 | W. |
| February 16 | 56.0 | 49.0 | 52.5 | 86.4 | 30.06 | N.W. |
| February 17 | 57.0 | 46.0 | 51.5 | 86.3 | 30.10 | W. |
| February 18 | 58.0 | 49.0 | 52.5 | 80.5 | 30.07 | W. |
| February 19 | 66.0 | 46.0 | 56.5 | 58.5 | 29.94 | N. |
| February 20 | 64.0 | 36.0 | 53.1 | 48.1 | 29.87 | N. |
| February 21 | 67.0 | 51.0 | 58.2 | 41.5 | 29.86 | N. |
| February 22 | 71.0 | 53.0 | 58.5 | 52.3 | 29.99 | N. |
| February 23 | 71.0 | 39.5 | 52.8 | 61.3 | 30.04 | W. |
| February 24 | 74.0 | 38.0 | 53.8 | 67.7 | 30.03 | S.W. |
| February 25 | 76.5 | 39.0 | 56.8 | 70.5 | 30.03 | W. |
| February 26 | 78.0 | 41.0 | 57.8 | 58.1 | 29.99 | S. |
| February 27 | 74.5 | 44.0 | 59.0 | 65.5 | 29.91 | W. |
| February 28 | 64.0 | 49.0 | 54.5 | 84.6 | 29.81 | S.W |
| February 29 | 51.0 | 42.0 | 45.3 | 82.9 | 29.67 | W. |

Rainfall for January, 4.17 inches. Rainfall for February, .90 inch.

RIVERSIDE SIGNAL SERVICE WEATHER RECORD—Continued.

| DATE. | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| March 1 | 59.0 | 32.0 | 44.8 | 75.4 | 29.94 | N.E. |
| March 2 | 54.0 | 33.0 | 46.0 | 83.8 | 29.90 | S.E. |
| March 3 | 57.0 | 39.0 | 47.3 | 78.0 | 29.96 | S.E. |
| March 4 | 55.0 | 36.0 | 48.0 | 78.3 | 30.02 | S.W. |
| March 5 | 61.0 | 42.0 | 59.0 | 81.4 | 30.01 | W. |
| March 6 | 65.5 | 35.0 | 51.5 | 77.3 | 29.94 | W. |
| March 7 | 62.0 | 46.5 | 44.5 | 87.5 | 29.79 | N.E. |
| March 8 | 60.0 | 49.0 | 53.8 | 92.2 | 29.74 | S.E. |
| March 9 | 58.5 | 46.0 | 49.5 | 82.3 | 30.00 | S.W. |
| March 10 | 65.5 | 36.0 | 50.5 | 80.3 | 30.13 | S.E. |
| March 11 | 74.0 | 37.0 | 55.0 | 66.6 | 30.15 | N.W. |
| March 12 | 73.5 | 39.0 | 55.3 | 65.0 | 30.14 | N.E. |
| March 13 | 72.5 | 41.0 | 56.8 | 68.2 | 30.03 | W. |
| March 14 | 64.0 | 45.0 | 56.5 | 83.3 | 29.87 | S.W. |
| March 15 | 65.0 | 52.0 | 53.3 | 81.3 | 29.90 | N.E. |
| March 16 | 75.0 | 42.0 | 55.0 | 78.6 | 29.90 | S.W. |
| March 17 | 71.0 | 48.0 | 57.5 | 79.2 | 29.86 | S.W. |
| March 18 | 60.5 | 52.0 | 56.0 | 82.9 | 29.82 | S.W. |
| March 19 | 68.0 | 52.0 | 55.8 | 77.9 | 29.86 | N.W. |
| March 20 | 69.0 | 42.5 | 54.5 | 79.8 | 29.98 | W. |
| March 21 | 76.0 | 43.5 | 55.8 | 75.5 | 30.00 | N.W. |
| March 22 | 74.0 | 45.0 | 56.5 | 75.5 | 29.92 | S.W. |
| March 23 | 66.0 | 52.0 | 57.3 | 77.7 | 29.87 | W. |
| March 24 | 64.0 | 50.0 | 54.5 | 76.1 | 29.82 | W. |
| March 25 | 68.0 | 46.0 | 56.5 | 75.9 | 29.77 | N.W. |
| March 26 | 64.0 | 48.0 | 54.5 | 79.3 | 29.77 | N.E. |
| March 27 | 66.0 | 39.0 | 50.3 | 62.6 | 29.93 | N. |
| March 28 | 70.0 | 36.0 | 53.8 | 75.6 | 30.00 | W. |
| March 29 | 71.0 | 44.0 | 55.3 | 78.7 | 30.00 | S.W. |
| March 30 | 67.0 | 43.0 | 54.8 | 79.7 | 30.00 | W. |
| March 31 | 71.0 | 46.0 | 57.0 | 77.9 | 30.10 | S.W. |
| April 1 | 72.5 | 42.0 | 56.2 | 77.2 | 30.06 | S.W. |
| April 2 | 75.0 | 49.0 | 57.8 | 73.9 | 30.00 | W. |
| April 3 | 73.0 | 42.0 | 55.0 | 78.8 | 29.88 | S.W. |
| April 4 | 71.0 | 44.0 | 52.0 | 68.2 | 29.95 | S.W. |
| April 5 | 72.5 | 38.0 | 56.0 | 75.1 | 30.03 | S.W. |
| April 6 | 77.0 | 42.0 | 60.5 | 79.9 | 30.05 | N.W. |
| April 7 | 74.0 | 48.0 | 57.5 | 75.9 | 30.02 | S.W. |
| April 8 | 76.0 | 42.5 | 73.5 | 56.0 | 30.01 | N.W. |
| April 9 | 78.0 | 44.0 | 59.5 | 57.5 | 29.96 | N.W. |
| April 10 | 85.0 | 52.0 | 64.5 | 64.8 | 29.98 | W. |
| April 11 | 93.0 | 48.0 | 66.2 | 59.7 | 30.00 | N.W. |
| April 12 | 97.5 | 49.0 | 75.0 | 58.1 | 29.96 | N.E. |
| April 13 | 96.0 | 53.0 | 74.5 | 41.9 | 29.92 | N.E. |
| April 14 | 86.0 | 57.0 | 68.5 | 68.3 | 29.93 | S.W. |
| April 15 | 76.0 | 59.5 | 66.5 | 75.9 | 29.94 | W. |
| April 16 | 71.0 | 56.5 | 61.0 | 78.6 | 29.88 | S.W. |
| April 17 | 67.0 | 55.0 | 60.0 | 80.9 | 29.88 | W. |
| April 18 | 72.0 | 56.0 | 60.5 | 79.0 | 29.93 | S.E. |
| April 19 | 82.0 | 52.0 | 65.5 | 75.9 | 29.89 | W. |
| April 20 | 76.0 | 58.0 | 66.5 | 70.2 | 29.89 | W. |
| April 21 | 74.0 | 58.0 | 65.5 | 81.6 | 29.91 | S.W. |
| April 22 | 76.0 | 58.0 | 66.5 | 75.8 | 29.93 | N.W. |
| April 23 | 73.0 | 58.0 | 64.5 | 78.9 | 29.96 | N.W. |
| April 24 | 69.0 | 56.0 | 61.5 | 75.2 | 29.94 | N.W. |
| April 25 | 69.0 | 46.0 | 57.5 | 72.2 | 29.90 | S.W. |
| April 26 | 73.0 | 39.0 | 57.5 | 56.6 | 29.92 | S.W. |
| April 27 | 78.0 | 42.0 | 60.0 | 59.7 | 30.00 | W. |
| April 28 | 89.0 | 48.0 | 68.0 | 59.6 | 30.00 | N.W. |
| April 29 | 89.0 | 52.0 | 71.0 | 63.7 | 29.95 | S.W. |
| April 30 | 82.0 | 53.0 | 67.0 | 62.8 | 29.87 | S.W. |

Rainfall for March, 3.51 inches. Rainfall for April, .15 inch.

RIVERSIDE SIGNAL SERVICE WEATHER RECORD—Continued.

| DATE. | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| May 1 | 68.0 | 56.0 | 59.5 | 73.9 | 29.86 | S.W. |
| May 2 | 74.0 | 52.5 | 60.0 | 73.7 | 29.87 | S.W. |
| May 3 | 74.0 | 53.5 | 61.0 | 76.1 | 29.89 | N.W. |
| May 4 | 72.0 | 54.0 | 63.0 | 77.6 | 29.87 | W. |
| May 5 | 74.0 | 56.0 | 65.0 | 73.2 | 29.90 | N.W. |
| May 6 | 75.0 | 56.5 | 62.0 | 69.7 | 29.93 | W. |
| May 7 | 73.0 | 52.5 | 61.0 | 76.1 | 29.96 | S.W. |
| May 8 | 76.0 | 53.0 | 62.0 | 75.6 | 30.00 | S.W. |
| May 9 | 76.5 | 52.0 | 61.5 | 72.3 | 29.97 | W. |
| May 10 | 79.0 | 53.0 | 62.0 | 73.4 | 29.81 | W. |
| May 11 | 82.0 | 53.0 | 66.5 | 75.9 | 29.77 | W. |
| May 12 | 83.0 | 56.0 | 66.0 | 76.2 | 29.83 | S.W. |
| May 13 | 85.0 | 52.0 | 67.0 | 64.8 | 29.86 | W. |
| May 14 | 81.0 | 56.0 | 64.5 | 69.4 | 29.88 | S.W. |
| May 15 | 75.0 | 54.0 | 62.0 | 76.1 | 29.88 | N.W. |
| May 16 | 73.0 | 55.0 | 61.5 | 69.9 | 29.86 | W. |
| May 17 | 78.9 | 52.5 | 63.0 | 68.2 | 29.85 | S.W. |
| May 18 | 78.0 | 55.0 | 64.0 | 75.3 | 29.81 | W. |
| May 19 | 79.0 | 58.0 | 64.5 | 73.5 | 29.85 | W. |
| May 20 | 74.0 | 56.0 | 62.0 | 69.0 | 29.84 | N.W. |
| May 21 | 73.5 | 54.0 | 61.0 | 69.1 | 29.84 | W. |
| May 22 | 72.0 | 54.0 | 60.0 | 68.3 | 29.85 | S.W. |
| May 23 | 74.0 | 53.0 | 59.0 | 65.6 | 29.88 | W. |
| May 24 | 74.0 | 49.0 | 62.5 | 63.0 | 29.88 | S.W. |
| May 25 | 74.0 | 48.0 | 61.5 | 58.4 | 29.88 | W. |
| May 26 | 72.0 | 49.0 | 61.5 | 62.0 | 29.89 | S.W. |
| May 27 | 78.0 | 45.5 | 63.0 | 60.5 | 29.90 | W. |
| May 28 | 85.0 | 47.0 | 70.0 | 62.2 | 29.87 | W. |
| May 29 | 84.5 | 55.0 | 71.0 | 59.7 | 29.84 | S.W. |
| May 30 | 85.0 | 53.0 | 71.0 | 56.9 | 29.82 | S.W. |
| May 31 | 86.0 | 61.0 | 72.0 | 54.9 | 29.83 | S.W. |
| June 1 | 82.0 | 58.0 | 69.5 | 60.1 | 29.91 | S.W. |
| June 2 | 80.0 | 55.0 | 69.0 | 65.2 | 29.90 | W. |
| June 3 | 80.0 | 54.5 | 67.0 | 59.7 | 29.88 | W. |
| June 4 | 82.0 | 49.0 | 65.0 | 57.2 | 29.85 | S.W. |
| June 5 | 85.0 | 49.0 | 66.5 | 64.9 | 29.77 | W. |
| June 6 | 80.0 | 52.0 | 65.0 | 63.7 | 29.77 | N.W. |
| June 7 | 82.0 | 49.0 | 69.5 | 52.8 | 29.81 | W. |
| June 8 | 94.0 | 48.0 | 75.5 | 43.2 | 29.82 | S.W. |
| June 9 | 88.0 | 52.0 | 72.0 | 52.4 | 29.82 | W. |
| June 10 | 90.0 | 51.0 | 73.0 | 50.3 | 29.85 | S.W. |
| June 11 | 92.5 | 52.0 | 75.5 | 40.9 | 29.85 | S.W. |
| June 12 | 89.0 | 56.0 | 73.5 | 45.0 | 29.84 | N.W. |
| June 13 | 88.0 | 56.0 | 74.0 | 53.9 | 29.82 | W. |
| June 14 | 90.0 | 57.5 | 75.5 | 46.6 | 29.85 | W. |
| June 15 | 89.0 | 54.5 | 75.5 | 55.2 | 29.85 | N.W. |
| June 16 | 88.0 | 56.0 | 74.5 | 55.4 | 29.84 | W. |
| June 17 | 78.0 | 58.0 | 67.5 | 61.5 | 29.84 | S.W. |
| June 18 | 80.0 | 53.5 | 70.5 | 60.3 | 29.81 | S.W. |
| June 19 | 83.0 | 53.0 | 71.5 | 57.7 | 29.80 | W. |
| June 20 | 94.0 | 52.0 | 76.5 | 54.9 | 29.79 | W. |
| June 21 | 95.0 | 58.0 | 78.0 | 49.5 | 29.77 | N.W. |
| June 22 | 88.0 | 59.0 | 74.5 | 62.7 | 29.79 | W. |
| June 23 | 87.0 | 62.0 | 71.5 | 59.4 | 29.83 | W. |
| June 24 | 85.0 | 60.0 | 71.0 | 65.6 | 29.81 | N.W. |
| June 25 | 84.0 | 60.5 | 71.5 | 69.5 | 29.80 | W. |
| June 26 | 83.5 | 61.0 | 72.0 | 71.5 | 29.90 | W. |
| June 27 | 82.0 | 61.0 | 72.0 | 65.9 | 29.90 | W. |
| June 28 | 82.0 | 63.0 | 72.5 | 67.3 | 29.88 | N.W. |
| June 29 | 84.0 | 63.0 | 73.0 | 59.1 | 29.91 | S.W. |
| June 30 | 84.0 | 57.0 | 72.0 | 60.0 | 29.91 | S.W. |

Rainfall for May, .04 inch.

RIVERSIDE SIGNAL SERVICE WEATHER RECORD—Continued.

| DATE. | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| July 1 | 94.0 | 53.0 | 74.8 | 43.7 | 29.88 | N. |
| July 2 | 91.0 | 57.0 | 73.0 | 64.1 | 29.77 | S.W. |
| July 3 | 93.0 | 59.0 | 77.2 | 52.7 | 29.82 | S.W. |
| July 4 | 95.5 | 64.0 | 80.5 | 37.5 | 29.88 | S. |
| July 5 | 95.0 | 62.0 | 80.5 | 45.0 | 29.91 | S. |
| July 6 | 92.0 | 58.0 | 76.8 | 44.3 | 29.90 | S. |
| July 7 | 89.0 | 60.0 | 77.2 | 58.5 | 29.85 | S. |
| July 8 | 91.0 | 53.0 | 73.0 | 60.1 | 29.94 | S.W. |
| July 9 | 94.0 | 53.5 | 78.5 | 57.5 | 29.90 | S. |
| July 10 | 90.5 | 60.5 | 73.5 | 67.0 | 29.82 | S. |
| July 11 | 91.0 | 66.0 | 76.8 | 62.3 | 29.83 | S. |
| July 12 | 88.0 | 44.0 | 73.0 | 44.2 | 29.93 | S.W. |
| July 13 | 95.0 | 48.0 | 74.5 | 48.2 | 29.94 | S.W. |
| July 14 | 98.5 | 55.0 | 80.5 | 48.8 | 29.93 | N.W. |
| July 15 | 100.5 | 60.5 | 84.0 | 46.7 | 29.89 | W. |
| July 16 | 95.0 | 63.5 | 83.8 | 48.8 | 29.87 | W. |
| July 17 | 95.5 | 63.5 | 81.3 | 52.5 | 29.87 | S.W. |
| July 18 | 96.0 | 63.0 | 82.0 | 49.4 | 29.89 | W. |
| July 19 | 98.5 | 64.0 | 82.0 | 48.1 | 29.93 | W. |
| July 20 | 100.0 | 71.0 | 83.8 | 48.1 | 30.01 | N.W. |
| July 21 | 100.0 | 66.0 | 86.2 | 46.1 | 30.00 | S.W. |
| July 22 | 98.0 | 65.0 | 84.0 | 50.9 | 29.97 | W. |
| July 23 | 94.5 | 63.0 | 82.5 | 52.6 | 29.92 | W. |
| July 24 | 91.5 | 63.0 | 79.2 | 58.2 | 29.89 | S.W. |
| July 25 | 91.5 | 62.0 | 77.8 | 61.0 | 29.90 | S.W. |
| July 26 | 95.0 | 59.0 | 81.5 | 55.7 | 29.89 | W. |
| July 27 | 95.0 | 59.0 | 80.5 | 54.0 | 29.86 | W. |
| July 28 | 92.0 | 58.0 | 77.0 | 66.1 | 29.85 | S.W. |
| July 29 | 94.0 | 57.0 | 79.5 | 55.9 | 29.87 | S.W. |
| July 30 | 89.0 | 61.0 | 76.0 | 63.2 | 29.89 | W. |
| July 31 | 87.0 | 62.0 | 74.5 | 69.8 | 29.88 | W. |
| August 1 | 90.5 | 55.0 | 75.5 | 54.1 | 29.93 | S.W. |
| August 2 | 91.5 | 51.0 | 74.0 | 53.0 | 29.93 | S.W. |
| August 3 | 96.0 | 59.0 | 78.0 | 49.5 | 29.92 | W. |
| August 4 | 97.0 | 56.0 | 80.0 | 53.0 | 29.90 | S.W. |
| August 5 | 97.0 | 57.5 | 79.5 | 42.1 | 29.88 | N.W. |
| August 6 | 96.0 | 56.0 | 81.0 | 47.5 | 29.87 | S.W. |
| August 7 | 95.5 | 58.0 | 79 8 | 52.2 | 29.90 | S.W. |
| August 8 | 95.0 | 58.0 | 78.0 | 58.0 | 29.88 | W. |
| August 9 | 94.0 | 58.0 | 78.5 | 53.7 | 29.85 | S.W. |
| August 10 | 99.0 | 57.5 | 83.0 | 43.0 | 29.86 | N.W. |
| August 11 | 102.5 | 58.5 | 85.7 | 44.3 | 29.91 | W. |
| August 12 | 100.0 | 66.0 | 84.5 | 46.7 | 29.91 | S.W. |
| August 13 | 102.5 | 64.0 | 85.0 | 48.5 | 29.89 | S.W. |
| August 14 | 98.0 | 64.0 | 82.3 | 50.9 | 29.83 | N.W. |
| August 15 | 88.0 | 66.0 | 77.0 | 61.2 | 29.80 | S.W. |
| August 16 | 86.0 | 64.0 | 74.5 | 55.9 | 29.89 | W. |
| August 17 | 86.5 | 60.0 | 76.0 | 62.7 | 29.93 | W. |
| August 18 | 90.0 | 51.0 | 74.2 | 52.2 | 29.99 | S.W. |
| August 19 | 93.0 | 58.0 | 79.5 | 48.5 | 29.96 | S.W. |
| August 20 | 91.0 | 56.0 | 75.0 | 48.1 | 29.90 | N. |
| August 21 | 90.0 | 55.5 | 74.0 | 62.1 | 29.85 | W. |
| August 22 | 96.0 | 58.0 | 81.8 | 55.3 | 29.84 | S.W. |
| August 23 | 97.0 | 59.0 | 78.5 | 58.7 | 29.84 | W. |
| August 24 | 95.0 | 61.0 | 78.8 | 61.8 | 29.83 | S.W. |
| August 25 | 94.0 | 62.0 | 79.0 | 65.9 | 29.82 | W. |
| August 26 | 94.0 | 61.0 | 80.0 | 61.4 | 29.83 | S.W. |
| August 27 | 95.0 | 60.0 | 78.5 | 64.1 | 29.87 | S.W. |
| August 28 | 95.0 | 60.5 | 81.5 | 61.2 | 29.89 | W. |
| August 29 | 92.0 | 65.0 | 81.5 | 58.4 | 29.85 | S.W. |
| August 30 | 95.0 | 62.0 | 80.3 | 59.1 | 29.84 | S.W. |
| August 31 | 97.0 | 63.0 | 83.0 | 57.1 | 29.89 | S.W. |

RIVERSIDE SIGNAL SERVICE WEATHER RECORD—Continued.

| DATE. | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| September 1 | 100.0 | 64.0 | 82.5 | 53.2 | 29.90 | S.W. |
| September 2 | 101.0 | 65.0 | 84.5 | 49.6 | 29.88 | S.W. |
| September 3 | 102.0 | 67.5 | 86.5 | 43.4 | 29.83 | W. |
| September 4 | 100.0 | 66.0 | 84.3 | 55.1 | 29.83 | S.W. |
| September 5 | 93.0 | 62.0 | 80.5 | 61.4 | 29.87 | N.W. |
| September 6 | 98.0 | 58.5 | 81.0 | 55.5 | 29.88 | W. |
| September 7 | 102.5 | 60.0 | 85.0 | 38.7 | 29.87 | S.W. |
| September 8 | 98.0 | 62.0 | 80.3 | 59.6 | 29.85 | N.W. |
| September 9 | 97.0 | 63.0 | 80.0 | 57.3 | 29.83 | W. |
| September 10 | 95.5 | 63.5 | 80.3 | 57.8 | 29.71 | S.W. |
| September 11 | 89.0 | 62.0 | 77.5 | 63.9 | 29.69 | W. |
| September 12 | 90.0 | 62.0 | 75.5 | 68.6 | 29.78 | S.W. |
| September 13 | 90.0 | 65.0 | 76.5 | 66.9 | 29.81 | S.W. |
| September 14 | 95.0 | 63.0 | 77.0 | 60.6 | 29.79 | W. |
| September 15 | 97.5 | 62.0 | 78.8 | 54.3 | 29.83 | S.W. |
| September 16 | 100.0 | 67.5 | 82.0 | 49.9 | 29.85 | S.W. |
| September 17 | 91.0 | 68.0 | 79.0 | 54.3 | 29.81 | W. |
| September 18 | 86.0 | 65.0 | 75.5 | 61.9 | 29.81 | S.W. |
| September 19 | 88.0 | 54.0 | 73.8 | 64.4 | 29.89 | S.W. |
| September 20 | 95.0 | 61.0 | 76.8 | 60.6 | 29.89 | W. |
| September 21 | 96.0 | 63.0 | 76.8 | 51.5 | 29.85 | S.W. |
| September 22 | 85.0 | 67.0 | 74.2 | 66.3 | 29.84 | S.W. |
| September 23 | 85.0 | 65.0 | 73.5 | 60.4 | 29.89 | W. |
| September 24 | 88.0 | 56.0 | 73.5 | 62.0 | 29.96 | S.W. |
| September 25 | 96.0 | 56.0 | 79.0 | 52.7 | 29.93 | W. |
| September 26 | 100.0 | 63.0 | 82.0 | 45.5 | 29.88 | S.W. |
| September 27 | 95.0 | 62.0 | 78.0 | 49.9 | 29.88 | S.W. |
| September 28 | 93.0 | 58.0 | 76.3 | 72.0 | 29.91 | W. |
| September 29 | 91.0 | 57.0 | 75.5 | 64.8 | 29.95 | S.W. |
| September 30 | 87.0 | 54.0 | 73.5 | 66.1 | 29.94 | W. |
| October 1 | 77.0 | 58.0 | 69.0 | 64.9 | 29.87 | S.W. |
| October 2 | 79.0 | 61.0 | 67.0 | 71.6 | 29.84 | N.W. |
| October 3 | 79.0 | 61.0 | 67.8 | 71.1 | 29.84 | N.W. |
| October 4 | 79.0 | 59.0 | 66.8 | 77.3 | 29.83 | W. |
| October 5 | 70.0 | 57.0 | 65.0 | 81.7 | 29.83 | W. |
| October 6 | 75.0 | 59.5 | 65.3 | 72.9 | 29.87 | S.W. |
| October 7 | 80.0 | 59.0 | 67.5 | 71.6 | 29.90 | S.W. |
| October 8 | 87.0 | 48.0 | 66.0 | 64.9 | 29.90 | W. |
| October 9 | 93.0 | 50.0 | 72.5 | 49.7 | 29.88 | W. |
| October 10 | 98.0 | 55.0 | 75.5 | 47.1 | 29.86 | S.W. |
| October 11 | 97.0 | 56.0 | 72.5 | 47.7 | 29.86 | W. |
| October 12 | 91.0 | 53.5 | 71.5 | 44.8 | 29.88 | S.W. |
| October 13 | 87.0 | 50.0 | 67.5 | 56.6 | 29.87 | W. |
| October 14 | 86.0 | 48.0 | 70.0 | 58.2 | 29.89 | N.W. |
| October 15 | 86.0 | 49.5 | 69.0 | 60.1 | 29.90 | S.W. |
| October 16 | 84.0 | 49.0 | 67.0 | 60.1 | 29.88 | S.W. |
| October 17 | 74.0 | 51.0 | 65.0 | 65.9 | 29.80 | N.E. |
| October 18 | 66.0 | 59.0 | 63.0 | 89.8 | 29.83 | N.W. |
| October 19 | 80.0 | 57.0 | 69.3 | 67.2 | 29.90 | W. |
| October 20 | 78.0 | 50.0 | 65.3 | 72.6 | 29.87 | S.W. |
| October 21 | 76.5 | 54.0 | 68.3 | 45.4 | 29.90 | N. |
| October 22 | 82.0 | 53.0 | 70.5 | 42.5 | 29.99 | N. |
| October 23 | 83.0 | 46.0 | 65.5 | 59.4 | 29.98 | W. |
| October 24 | 76.0 | 43.0 | 58.8 | 54.9 | 29.90 | W. |
| October 25 | 74.0 | 49.0 | 61.0 | 59.9 | 29.84 | N.W. |
| October 26 | 74.0 | 49.0 | 61.5 | 76.5 | 29.84 | N.W. |
| October 27 | 81.0 | 46.0 | 64.0 | 61.9 | 29.88 | S.W. |
| October 28 | 84.0 | 48.0 | 67.3 | 50.3 | 29.93 | S.W. |
| October 29 | 74.0 | 49.0 | 64.5 | 75.3 | 29.98 | N.W. |
| October 30 | 70.0 | 55.0 | 67.0 | 68.7 | 29.91 | N. |
| October 31 | 68.0 | 55.0 | 64.5 | 70.3 | 29.87 | W. |

Rainfall for October, .10 inch.

RIVERSIDE SIGNAL SERVICE WEATHER RECORD—Continued.

| DATE. | Maximum Temp. | Minimum Temp. | Mean Temp. | Average Humidity. | Mean Barometer. | Direction of Wind. |
|---|---|---|---|---|---|---|
| November 1 | 74.0 | 57.0 | 64.5 | 69.1 | 29.99 | N.W. |
| November 2 | 79.0 | 45.0 | 65.0 | 59.2 | 30.04 | S. |
| November 3 | 75.0 | 58.0 | 68.5 | 72.4 | 29.94 | W. |
| November 4 | 69.0 | 57.0 | 63.5 | 73.9 | 29.94 | S.W. |
| November 5 | 70.0 | 48.0 | 60.0 | 53.4 | 29.99 | N. |
| November 6 | 73.0 | 38.0 | 58.0 | 53.7 | 29.97 | N.W. |
| November 7 | 73.0 | 39.0 | 60.3 | 62.5 | 29.92 | N. |
| November 8 | 73.0 | 45.0 | 60.8 | 53.0 | 29.95 | S. |
| November 9 | 71.0 | 38.0 | 60.0 | 56.2 | 29.97 | N.E. |
| November 10 | 72.0 | 40.0 | 61.5 | 64.2 | 29.89 | N.W. |
| November 11 | 69.0 | 39.5 | 58.5 | 62.8 | 29.85 | W. |
| November 12 | 69.0 | 41.5 | 57.5 | 75.4 | 29.90 | S.W. |
| November 13 | 72.5 | 37.0 | 63.0 | 72.3 | 29.96 | W. |
| November 14 | 70.0 | 37.0 | 57.0 | 69.2 | 29.97 | N.W. |
| November 15 | 68.0 | 44.0 | 57.5 | 73.6 | 29.93 | S. |
| November 16 | 62.0 | 50.0 | 58.5 | 85.3 | 29.86 | S.E. |
| November 17 | 68.0 | 53.0 | 62.5 | 83.9 | 29.90 | S.E. |
| November 18 | 70.0 | 57.0 | 65.5 | 78.1 | 29.98 | S.W. |
| November 19 | 74.0 | 49.5 | 65.5 | 74.8 | 30.02 | W. |
| November 20 | 73.5 | 49.0 | 62.0 | 73.5 | 29.88 | N.W. |
| November 21 | 69.0 | 51.0 | 60.5 | 73.2 | 29.85 | N.W. |
| November 22 | 66.0 | 45.0 | 57.0 | 83.4 | 29.80 | S. |
| November 23 | 62.0 | 49.0 | 57.0 | 82.5 | 29.66 | S.E. |
| November 24 | 66.0 | 49.0 | 58.5 | 70.4 | 29.68 | N. |
| November 25 | 69.0 | 52.0 | 61.5 | 66.5 | 29.79 | W. |
| November 26 | 64.0 | 54.5 | 59.0 | 73.1 | 29.87 | S.W. |
| November 27 | 67.0 | 51.0 | 57.0 | 73.6 | 29.88 | W. |
| November 28 | 66.0 | 41.0 | 55.0 | 68.5 | 29.00 | S.W. |
| November 29 | 62.0 | 37.0 | 51.5 | 72.5 | 29.00 | S.W. |
| November 30 | 63.0 | 36.0 | 50.5 | 73.7 | 29.96 | S.W. |
| December 1 | 65.0 | 38.0 | 52.5 | 73.9 | 29.98 | W. |
| December 2 | 69.0 | 37.0 | 56.5 | 60.3 | 30.02 | N.W. |
| December 3 | 72.0 | 41.0 | 58.0 | 61.3 | 30.07 | N.E. |
| December 4 | 73.0 | 43.0 | 57.5 | 56.8 | 30.10 | N.E. |
| December 5 | 72.0 | 41.0 | 57.5 | 44.9 | 29.94 | N.E. |
| December 6 | 67.0 | 41.0 | 54.5 | 65.9 | 29.77 | W. |
| December 7 | 70.0 | 39.0 | 55.5 | 67.4 | 29.87 | S.W. |
| December 8 | 70.0 | 37.0 | 56.5 | 67.3 | 30.03 | S.W. |
| December 9 | 72.0 | 39.0 | 56.5 | 61.3 | 29.95 | W. |
| December 10 | 59.0 | 38.0 | 45.5 | | 29.90 | W. |
| December 11 | 69.0 | 33.0 | 50.5 | | 29.89 | N. |
| December 12 | 68.0 | 34.0 | 47.2 | | 29.89 | E. |
| December 13 | 60.0 | 40.0 | 51.8 | | 29.87 | S.E. |
| December 14 | 53.0 | 46.0 | 49.0 | | 29.88 | W. |
| December 15 | 60.0 | 46.0 | 54.5 | | 30.09 | S.E. |
| December 16 | 62.0 | 52.0 | 54.5 | | 30.14 | W. |
| December 17 | 70.0 | 47.0 | 57.5 | | 30.03 | N. |
| December 18 | 71.0 | 51.0 | 59.2 | | 30.04 | N. |
| December 19 | 73.0 | 49.0 | 61.8 | | 30.00 | N. |
| December 20 | 72.0 | 46.0 | 57.2 | | 29.95 | E. |
| December 21 | 63.0 | 50.0 | 55.3 | | 29.77 | S.E. |
| December 22 | 53.0 | 48.0 | 50.2 | | 29.61 | S.E. |
| December 23 | 58.0 | 46.5 | 51.0 | | 29.72 | W. |
| December 24 | 60.0 | 45.0 | 51.8 | | 29.89 | W. |
| December 25 | 59.0 | 43.0 | 50.5 | | 29.99 | E. |
| December 26 | 54.0 | 45.0 | 51.2 | | 29.95 | S.E. |
| December 27 | 62.0 | 46.0 | 49.5 | | 29.96 | W. |
| December 28 | 56.0 | 38.0 | 46.5 | | 30.01 | W. |
| December 29 | 61.0 | 36.0 | 46.0 | | 30.06 | W. |
| December 30 | 58.0 | 36.0 | 46.2 | | 30.07 | N. |
| December 31 | 59.0 | 34.0 | 47.3 | | 30.08 | N. |

Rainfall for November, 2.66 inches. Rainfall for December, 2.99 inches.

*Report for the Year 1888.*

| | |
|---|---|
| Mean barometer | 29.901 |
| Highest barometer, January seventeenth | 30.39 |
| Lowest barometer, December twenty-second | 29.58 |
| Yearly range | .81 |
| Highest temperature, September seventh | 105° |
| Lowest temperature, January twelfth and sixteenth | 25° |
| Mean temperature | 62.1° |
| Yearly range | 70° |
| Greatest daily range, June eighth | 51° |
| Least daily range, December twenty-second | 5° |
| Mean daily range | 28° |
| Mean maximum temperature | 77.7° |
| Mean minimum temperature | 49.7° |
| Total rainfall | 14.70 |

The mean temperature for the past eight years is 63.9°, showing the past year to be 1.8° cooler than the average. Light shocks of earthquake were observed on April eighth, at 7:40 P. M.; April ninth, at 7:05 A. M.; April twelfth, at 5:15 A. M.; and June fifteenth, at 7:40 P. M.

*Summary for the Year 1887.*

| Month. | Mean Temperature. | Highest Temperature. | Lowest Temperature. | Rainfall, in Inches. | Prevailing Wind Direction. |
|---|---|---|---|---|---|
| January | 51.4 | 78.0 | 25.5 | .13 | N. |
| February | 49.7 | 84.0 | 29.0 | 2.85 | S.W. |
| March | 69.0 | 88.0 | 39 0 | .02 | S.W. |
| April | 64.1 | 89.5 | 43.0 | 1.71 | S.W. |
| May | 67.4 | 90.5 | 44.0 | .17 | S.W. |
| June | 71.3 | 99.0 | 47.0 | .00 | S.W. |
| July | 76.2 | 105.0 | 50.0 | .00 | S.W. |
| August | 73.6 | 99.5 | 51.0 | .00 | S.W. |
| September | 73.3 | 98.0 | 48.0 | .00 | S.W. |
| October | 66.5 | 94.0 | 42.0 | .86 | S.W. |
| November | 57.9 | 85.0 | 33.0 | .92 | S.W. |
| December | 50.1 | 72.0 | 29.5 | 1.50 | S.W. |
| Yearly average | 63.5 | 105.0 | 25.5 | 8.16 | S.W. |

## Chino, San Bernardino County.

Chino, San Bernardino County, Cal., February 18, 1889.

*Sergeant* James A. Barwick, *Observer Signal Corps, Sacramento, California:*

Dear Sir: Replying to your request for a brief and instructive article on the temperature and rainfall of San Bernardino County, with data as far back as possible, I have to say, the data at my command are insufficient to do the subjects justice. I requested several gentlemen to do the work, whose means to make a valuable report are ample, but so far they have declined by their silence. My residence at this place began in October, 1887, when I commenced to keep an accurate record of the temperature of this locality, and have daily continued it. On pages 182–3 of your Meteorological Review for 1887, are tables showing the rainfall and temperature at Riverside, San Bernardino, Colton, and other points. As San Bernardino County comprises every elevation, from about sea level on the Colorado Desert to over ten thousand feet on several mountain tops, the reader will understand that to compile comprehensive and accurate meteorological statistics of this county involves the collection of a vast amount of statistics, some of which have never been collected by anybody.

A chief cause of irritation between the southern, central, and northern parts of this great State, is the lack of information about most sections by a great majority of our writers of books, and for the press, both in and out of California. The mass of writers are disposed to be fair, but their very limited knowledge of a State over eight hundred miles in length, embracing nearly every degree of temperature, between 15° below zero and 130° or even more above, with a rainfall varying each year from about two inches at Yuma to over sixty at Shasta, disqualifies nearly all from handling such subjects with tolerable intelligence. Notwithstanding I have been traveling over this State by all modes of conveyance and afoot since 1852, I do not want to be quoted as authority on much of even San Bernardino County. I deem these remarks apt in connection with what follows. This place is situated near the western boundary of San Bernardino County, about eight hundred feet above sea level. The Chino and Spadra hills lie to the south and west a few miles, and the San Gabriel and San Bernardino Mountains (erroneously called Sierra Madres), to the north, some eight miles, and the San Jacinto and other high mountains between here and the great Colorado desert. The rainfall was not accurately noted here during the season of 1887–8, but it amounted to just about 17 inches. The temperature here given is correct: The lowest degree was January sixteenth, when it was 23° at 7 A. M.; on the fifteenth and sixteenth, it was 26°. The highest at noon was July twenty-first, when it was 104°. The days when the mercury rose to and above 100° are: July fifteenth, 101°, and twenty-first, 104°; August eleventh, twelfth, and thirteenth, 100° each; September third, 100°; seventh, 103°; sixteenth and twenty-sixth, each 101°.

For November, 1887, the lowest temperature was 30° at 7 A. M., on the thirtieth, and the highest, 78° on the twenty-first, at noon; the average for the month being 58.8°. For December, the lowest was 28° at 7 A. M. on the twenty-third, and the highest 72° at noon on the seventeenth; the average for the month being 50.1°. The average for the first twelve days in January, 1888, was 43.5°. The observations in all cases being taken at 7 A. M., noon, and 6 P. M. Following are weekly averages from such observations during the remainder of 1888:

| | | | |
|---|---|---|---|
| January 19 | 44.2 | July 12 | 76.1 |
| January 26 | 56.0 | July 19 | 81.7 |
| February 2 | 52.7 | July 26 | 82.7 |
| February 9 | 51.2 | August 2 | 75.0 |
| February 16 | 52.3 | August 9 | 80.0 |
| February 23 | 55.4 | August 16 | 78.7 |
| March 1 | 52.7 | August 23 | 76.1 |
| March 8 | 50.4 | August 30 | 76.4 |
| March 15 | 56.0 | September 5 | 83.0 |
| March 22 | 57.9 | September 12 | 77.4 |
| March 29 | 54.8 | September 19 | 78.6 |
| April 5 | 58.1 | September 26 | 76.9 |
| April 12 | 65.4 | October 4 | 68.9 |
| April 19 | 66.2 | October 11 | 71.8 |
| April 26 | 63.1 | October 18 | 68.4 |
| May 3 | 65.1 | October 25 | 64.4 |
| May 10 | 64.9 | November 1 | 63.6 |
| May 17 | 67.3 | November 8 | 60.8 |
| May 24 | 65.3 | November 15 | 56.9 |
| May 31 | 67.4 | November 22 | 58.5 |
| June 7 | 69.2 | November 29 | 56.3 |
| June 14 | 75.7 | December 6 | 56.4 |
| June 21 | 74.0 | December 13 | 52.2 |
| June 28 | 73.9 | December 20 | 57.9 |
| July 5 | 77.6 | December 27 | 52.6 |

Average for the four days ending December thirty-first, 48.2°.

San Bernardino County produces everything grown in the temperate and some things that flourish in the torrid zone. The Secretary of the San Bernardino Board of Trade gathered from reliable sources the following information in January, this year, viz.:

A FEW FACTS RELATIVE TO HER PRODUCTS AND IMPROVEMENTS.

Population of the county, 35,000. The assessed valuation of all property in the county, $26,250,680. Rate of taxation, State and county, $1 25 outside, and $1 inside the limits of incorporated towns. The county is free from debt. The county ranks first in the State in the amount of school property per child, and fifth in total valuation of school property.

There are 528 miles of standard gauge, 32½ miles of motor and narrow gauge, and 21 miles of electric railroads (last temporarily operated by horse-power) in the county.

Shipments of oranges, season of 1887–8, 760 carloads; product present season estimated at 1,050 carloads. Raisin shipments the past year, about 325 carloads; dried fruit shipments the past year, over 1,150 tons; wine, product the past year, about 250,000 gallons; honey, product the past year, about 435 tons; canned fruits, product the past year, 30,000 cases; barley, product the past year, 240,000 sacks; lumber, product the past year, 7,400,000 feet; wool clipped the past year, 350,000 pounds; gold and silver, product the past year, $850,000. There are about 5,000 acres in the county seeded to alfalfa, part of which is used for grazing and part for hay. The shipments in lemons, limes, English walnuts, and almonds are small. Aside from what is dried, canned, or otherwise put up, the crops of peaches, apricots, nectarines, prunes, apples, pears, figs, and olives are used locally. Wheat, oats, and Indian corn are grown in small quantities, and every kind of garden vegetable in great profusion. Lime is a prominent product of the county. Colton marble and building stone are gaining a name away from home. South Riverside boasts of the best tin mine on the continent, also coal, mineral paint, and gypsum deposits; and in the northern part of the county there are heavy deposits of borax, iron, and salt.

Evidently, for want of full information, the Secretary omitted important products. The foothill and mountain valleys of this county produce cherries and apples that are not excelled in the world for flavor and keeping qualities, and they are grown in paying quantities. As high as $250 to $300 per acre were realized from cherries and apples in 1888 from trees ranging in age from six to thirteen years. The leading products of this county are now oranges and raisins. Each year increases the growth of oranges, and the quality is unsurpassed. Neither the scale of any kind nor the vine disease has so far injured an orchard or vineyard. Doubtless its inland situation is unfavorable to scale.

Trusting the foregoing will be deemed worthy a place in your next report to the State Agricultural Society, I am,

Yours respectfully,

JOHN WASSON.

**Rainfall at San Bernardino, San Bernardino County.**—The rainfall at San Bernardino was furnished by Mr. Sidney P. Waite, of the San Bernardino Water Company, and extends from July, 1870, to date.

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1870 | | | | | | | none | none | .02 | .09 | 3.11 | .89 | | | |
| 1871 | 6.91 | 2.21 | .19 | .34 | .11 | .07 | none | .04 | .13 | .60 | .88 | 3.91 | 15.39 | 1870–71 | 13.94 |
| 1872 | none | 2.20 | .37 | .79 | .06 | none | none | .18 | .04 | none | 1.17 | 4.40 | 9.21 | 1871–72 | 8.98 |
| 1873 | 6.50 | 1.25 | .51 | .84 | .21 | none | none | 1.06 | .02 | .01 | .74 | 5.73 | 16.87 | 1872–73 | 15.10 |
| 1874 | 5.51 | 8.76 | 1.08 | .48 | .42 | none | none | none | .06 | 1.82 | 1.88 | 2.20 | 23.21 | 1873–74 | 23.81 |
| 1875 | 7.20 | .15 | .22 | .07 | .05 | none | none | none | none | none | 7.50 | .02 | 15.21 | 1874–75 | 13.65 |
| 1876 | 6.55 | 1.92 | 3.41 | .44 | .03 | .03 | none | none | none | .20 | .40 | none | 12.98 | 1875–76 | 19.90 |
| 1877 | 3.50 | 4.03 | .83 | .26 | .30 | none | none | none | none | .86 | .50 | 3.95 | 14.23 | 1876–77 | 9.52 |
| 1878 | 3.33 | 6.68 | 2.57 | 1.71 | .66 | .07 | .07 | none | .02 | .14 | .05 | 4.70 | 20.00 | 1877–78 | 20.33 |
| 1879 | 3.59 | 1.00 | .50 | 1.20 | .24 | .03 | .11 | .02 | .01 | .94 | 3.40 | 6.50 | 17.54 | 1878–79 | 11.54 |
| 1880 | 1.56 | 1.33 | 1.45 | 5.00 | .04 | none | none | none | none | .14 | .67 | 8.80 | 18.99 | 1879–80 | 20.36 |
| 1881 | 1.40 | .36 | 1.66 | .46 | .01 | none | none | none | none | .80 | .27 | .50 | 5.46 | 1880–81 | 13.50 |
| 1882 | 1.11 | 2.65 | 3.30 | 2.91 | none | none | none | none | none | .10 | .15 | .45 | 9.67 | 1881–82 | 11.54 |
| 1883 | 1.60 | 1.10 | 2.82 | 2.95 | none | none | .19 | none | .53 | .85 | .09 | 2.63 | 12.76 | 1882–83 | 9.17 |
| 1884 | 1.63 | 12.20 | 9.95 | 5.68 | 3.17 | .59 | none | none | none | none | .11 | 3.75 | 37.08 | 1883–84 | 37.51 |
| 1885 | 2.79 | .11 | .28 | 1.89 | 1.69 | .19 | none | none | none | .39 | 4.36 | 1.20 | 12.90 | 1884–85 | 10.81 |
| 1886 | 6.44 | 2.52 | 4.18 | 2.36 | .32 | .16 | none | none | none | none | .11 | .61 | 16.70 | 1885–86 | 21.93 |
| 1887 | .39 | 6.44 | 4.41 | 1.90 | .42 | .22 | .11 | .04 | .09 | 1.17 | 2.29 | 1.91 | 19.39 | 1886–87 | 14.50 |
| 1888 | 4.01 | 3.60 | 3.41 | .58 | .52 | .03 | none | none | none | .05 | 4.12 | 4.64 | 20.96 | 1887–88 | 17.76 |
| 1889 | .93 | 1.50 | 6.55 | | | | | | | | | | | 1888–89 | *17.79 |

*Up to April 1, 1889.

*Weather Summary for San Bernardino.*

The following summary of the weather for January, February and March, 1889, was furnished by Mr. A. K. Holt, editor of the "Times-Index," and also Voluntary Observer Signal Service, U. S. Army:

*Summary for January.*

| | |
|---|---|
| Highest barometer | 30.10 |
| Lowest barometer | 29.35 |
| Mean barometer | 29.84 |
| Highest temperature | 76.50 |
| Lowest temperature | 33.00 |
| Mean temperature | 52.30 |
| Mean humidity | 69.00 |
| Total rainfall | .93 |
| Number of days on which rain fell | 4 |
| Number of days totally clear | 21 |
| Number of days totally cloudy | 2 |

*Summary for February.*

| | |
|---|---|
| Highest barometer | 30.10 |
| Lowest barometer | 29.41 |
| Mean barometer | 29.86 |
| Highest temperature | 81.50 |
| Lowest temperature | 33.50 |
| Mean temperature | 57.60 |
| Mean humidity | 65.80 |
| Total rainfall | 1.50 |
| Number of days on which rain fell | 4 |
| Number of days totally clear | 21 |
| Number of days totally cloudy | 0 |

*Summary for March.*

| | |
|---|---|
| Highest barometer | 30.18 |
| Lowest barometer | 29.43 |
| Mean barometer | 29.85 |
| Highest temperature | 82.50 |
| Lowest temperature | 45.50 |
| Mean temperature | 59.64 |
| Mean relative humidity | 76.57 |
| Total rainfall | 6.55 |
| Number of days on which rain fell | 6 |
| Number of days totally clear | 15 |
| Number of days totally cloudy | 0 |

The rainfall for season of 1888–89 to April 1 is as follows:

| | |
|---|---|
| October | .05 |
| November | 4.12 |
| December | 4.64 |
| January | .93 |
| February | 1.50 |
| March | 6.55 |
| Total | 17.79 |

*Table Showing Average Temperature and Rainfall.*

| Stations. | Elevation—Feet. | Average Winter Temperature. | Average Spring Temperature. | Average Summer Temperature. | Average Autumn Temperature. | Average Annual Temperature. | Highest Temperature. | Lowest Temperature. | Average Seasonal Rainfall—Inches. |
|---|---|---|---|---|---|---|---|---|---|
| Riverside | ..... | 50.4 | 64.1 | 73.7 | 65.7 | 63.5 | 105 | 25 | 8.16 |
| Colton | 965 | 52.0 | 62.7 | 78.3 | 65.3 | 64.6 | 116 | 20 | 9.84 |
| Daggett | 2,010 | 47.9 | 57.8 | 84.3 | 71.0 | 65 2 | 104 | 20 | 3.98 |
| Fenner | 2,095 | 51.2 | 70.7 | 88.0 | 70.6 | 70.1 | 112 | 22 | 7.47 |
| Needles | 485 | 51.7 | 69.1 | 87.7 | 72.0 | 70.1 | 114 | 26 | 6.27 |
| King's Station | 4,300 | 41.0 | 49.8 | 65.3 | 54.8 | 52.7 | 99 | 12 | 22.49 |

## Yearly Summary of the Weather at San Diego.

Furnished by Sergeant Hearn, Observer Signal Corps.

Annual mean barometer corrected for temperature only, 29.915 inches; highest, 30.33; lowest, 29.62 inches.

Annual mean temperature, 61.2°; mean maximum, 67.9°; mean minimum, 55.7°; annual mean dew point, 55.5; annual mean relative humidity, 82.6 per cent; annual mean cloudiness, 5.2; total precipitation, 11.57 inches. Total annual velocity of wind, 46.339 miles; prevailing direction of wind during the year, northwest. Total clear days, 152; fair, 97; cloudy, 117; rainy, on which the precipitation was appreciable, 51; maximum temperature above 90° during the year, 1; thunder and lightning storms, 3.

**Rainfall at San Diego, San Diego County.**—This table runs from November 1, 1871, to date. The figures are from the annual reports of the Chief Signal Officer. They show the rainfall by calendar years and seasonal years; also, the totals and averages by months:

| Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for Year. | Season of. | Total for Season. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1871 | | | | | | | | | | | 1.19 | 1.39 | | | |
| 1872 | .99 | 1.63 | .46 | .26 | .12 | none | none | .18 | none | none | none | 1.41 | 5.05 | 1871–72 | 6.04 |
| 1873 | .34 | 4.15 | .11 | .10 | .01 | none | none | 1.95 | none | none | .77 | 5.46 | 12.89 | 1872–73 | 6.30 |
| 1874 | 3.11 | 3.73 | 1.20 | .35 | .32 | none | .12 | none | .01 | .53 | .88 | .55 | 10.83 | 1873–74 | 16.89 |
| 1875 | 2.38 | .37 | .45 | .12 | .20 | .02 | none | .21 | .39 | none | 2.25 | .41 | 6.80 | 1874–75 | 5.66 |
| 1876 | 2.47 | 2.44 | 1.78 | .06 | .05 | .05 | .03 | .06 | .03 | .08 | .04 | .15 | 7.24 | 1875–76 | 10.11 |
| 1877 | 1.05 | .23 | 1.44 | .26 | .43 | none | none | none | none | .81 | .06 | 3.89 | 8.17 | 1876–77 | 3.80 |
| 1878 | 1.45 | 4.83 | 1.41 | 2.91 | .58 | .16 | none | none | none | .96 | none | 1.57 | 13.87 | 1877–78 | 16.10 |
| 1879 | 3.54 | 1.04 | .10 | .60 | sprin. | .07 | none | none | none | .29 | 2.77 | 6.30 | 14.71 | 1878–79 | 7.88 |
| 1880 | .61 | 1.50 | 1.43 | 1.34 | .06 | .06 | .09 | .32 | none | .53 | .28 | 4.15 | 10.37 | 1879–80 | 14.36 |
| 1881 | .52 | .45 | 1.88 | 1.35 | .04 | .05 | none | .01 | .04 | .24 | .12 | .30 | 5.00 | 1880–81 | 9.66 |
| 1882 | 4.53 | 2.55 | 1.02 | .45 | .18 | .07 | none | none | .01 | .41 | .39 | .13 | 9.74 | 1881–82 | 9.51 |
| 1883 | 1.09 | .95 | .41 | .31 | 1.14 | .08 | none | none | none | 2.01 | .20 | 1.82 | 8.01 | 1882–83 | 4.92 |
| 1884 | 1.34 | 9.05 | 6.23 | 2.84 | 2.17 | .31 | none | none | .07 | none | .11 | 4.83 | 26.95 | 1883–84 | 25.97 |
| 1885 | .35 | .02 | .78 | 1.20 | .61 | .06 | sprin. | .13 | sprin. | .31 | 1.56 | .70 | 5.72 | 1884–85 | 8.03 |
| 1886 | 7.00 | 1.50 | 3.73 | 1.95 | .04 | .07 | sprin. | sprin. | none | .05 | .95 | .10 | 15.39 | 1885–86 | 16.99 |
| 1887 | .04 | 4.51 | .02 | 2.14 | .47 | .04 | .01 | sprin. | sprin. | sprin. | 2.08 | 1.14 | 10.72 | 1886–87 | 8.32 |
| 1888 | 1.96 | 1.48 | 2.79 | .10 | .22 | .04 | .01 | sprin. | .04 | .26 | 1.83 | 2.84 | 11.57 | 1887–88 | 9.82 |
| 1889 | 1.72 | 1.80 | | | | | | | | | | | | 1888–89 | *8.50 |

*Up to March 1, 1889.

## SUMMARY FOR APRIL, 1889.

SIGNAL SERVICE, U. S. ARMY,
DIVISION OF THE PACIFIC,
SAN FRANCISCO, CAL., May 1, 1889.

The month has been marked by the absence of storms accompanied by dangerous winds. Copious showers have fallen during the month in Oregon, Washington, and Northern California, and light showers in Southern California.

The temperature has been much higher than usual in all districts.

The following table shows the distribution of the rainfall for the month and season up to May 1, 1889:

| STATIONS. | Normal for April. | Total for April, 1889. | Average for Season to May 1st. | Total for Season to May 1, 1889. |
|---|---|---|---|---|
| Olympia, Washington | 3.80 | 1.88 | 52.98 | 29.83 |
| Walla Walla, Washington | 1.61 | 1.51 | 14.18 | 9.25 |
| Portland, Oregon | 3.43 | 2.66 | 46.85 | 24.88 |
| Roseburg, Oregon | 3.10 | 1.56 | 32.25 | 18.00 |
| Winnemucca, Nevada | 1.16 | .06 | 7.41 | 2.56 |
| Red Bluff, California | 2.82 | 1.01 | 23.10 | 20.18 |
| Chico, California | 1.63 | .97 | 17.99 | 18.01 |
| Willows, California | 1.90 | .27 | 10.98 | 12.40 |
| Orland, California | 1.79 | 1.02 | 13.12 | 12.90 |
| Davisville, California | 1.74 | 1.17 | 15.02 | 18.41 |
| Colfax, California | 5.34 | 3.25 | 41.81 | 30.25 |
| Sacramento, California | 3.28 | .24 | 20.54 | 16.21 |
| Napa, California | 2.99 | 1.67 | 22.22 | 20.39 |
| Santa Rosa, California | | 1.09 | | 20.60 |
| San Francisco, California | 2.38 | .97 | 23.09 | 21.66 |
| Livermore, California | 1.44 | .51 | 13.10 | 13.44 |
| Lathrop, California | 1.82 | .33 | 10.07 | 10.40 |
| Folsom, California | 2.59 | .48 | 21.76 | 19.32 |
| Niles, California | 1.68 | .92 | 16.28 | 14.19 |
| Salinas, California | 1.52 | .82 | 12.87 | 10.69 |
| South Vallejo, California | 1.89 | .73 | 13.05 | 14.99 |
| San José, California | 1.62 | .79 | 12.32 | 14.71 |
| San Mateo, California | 2.19 | .84 | 17.97 | 18.93 |
| Santa Cruz, California | 3.47 | .84 | 23.91 | 21.57 |
| Menlo Park, California | 2.23 | .69 | 13.62 | 14.92 |
| Livingston, California | | .10 | | 9.34 |
| Anaheim, California | 1.22 | 1.04 | 10.29 | 15.80 |
| Merced, California | 1.53 | .20 | 10.11 | 7.03 |
| Modesto, California | 1.14 | .19 | 8.76 | 7.72 |
| Fresno, California | 2.15 | .52 | 9.58 | 7.05 |
| Delano, California | 1.17 | .12 | 4.92 | 5.62 |
| Antioch, California | 1.45 | .46 | 10.49 | 11.92 |
| Athlone, California | | .77 | | 3.30 |
| Bakersfield, California | .95 | .15 | 4.67 | 4.66 |
| Gilroy, California | 2.05 | .63 | 18.64 | 12.41 |
| Selma, California | | .47 | | 6.65 |
| Tulare, California | 1.11 | .66 | 6.39 | 7.16 |
| Turlock, California | 1.76 | .17 | 8.88 | 7.77 |
| Los Angeles, California | 2.17 | .24 | 17.01 | 18.98 |
| Newhall, California | 1.82 | .43 | 14.26 | 20.93 |
| San Diego, California | 1.01 | .15 | 9.31 | 10.78 |
| Keeler, California | .51 | .12 | 2.92 | 5.18 |
| Yuma, Arizona | .11 | .00 | 2.65 | 4.15 |

## RAINFALL, TEMPERATURE, AND CLEAR DAYS FOR THE SOUTHERN STATES AND PACIFIC COAST.

The tabulated matter in the following tables was taken from the Chief Signal Officer's annual report for the year 1886, and gives the average yearly rainfall, average winter, spring, summer, and autumn temperatures, also the average annual temperature, the highest and lowest temperature, and the average annual number of clear days for the Southern States, Arizona, California, Oregon, and Washington Territory. The States represented in this table are Virginia, North and South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Tennessee, Kentucky, Missouri, and Texas, Arizona, and Washington Territories, and California and Oregon. California stands ahead of all the Southern States in its having more clear days and a higher minimum temperature than any point in the south except Key West, Florida. This table will be found valuable because it represents such a great number of points in all the Southern States except Maryland and Delaware:

AVERAGE TEMPERATURE, CLEAR DAYS, AND RAINFALL, FOR THE SOUTHERN STATES.

| STATES AND STATIONS. | Average Rainfall | Average Winter Temperature | Average Spring Temperature | Average Summer Temperature | Average Fall Temperature | Average Annual Temperature | Highest Temperature | Lowest Temperature | Average Annual No. Clear Days. |
|---|---|---|---|---|---|---|---|---|---|
| *Virginia:* | | | | | | | | | |
| Norfolk | 51.61 | 42.2 | 57.0 | 77.3 | 60.7 | 59.3 | 102.5 | 6.0 | 121.3 |
| Lynchburg | 42.21 | 38.8 | 56.1 | 76.3 | 57.7 | 57.6 | 101.8 | *5.0 | 131.6 |
| *North Carolina:* | | | | | | | | | |
| Charlotte | 54.47 | 43.8 | 59.6 | 77.1 | 61.5 | 60.6 | 101.0 | *5.0 | 108.5 |
| Hatteras | 73.61 | 46.4 | 57.1 | 76.6 | 66.4 | 61.8 | 92.0 | 8.0 | 97.8 |
| Kitty Hawk | 65.55 | 43.8 | 55.4 | 76.1 | 63.3 | 59.8 | 100.0 | 8.0 | 125.5 |
| Fort Macon | 59.16 | 47.3 | 58.8 | 77.2 | 66.0 | 62.4 | 91.0 | 8.5 | 100.4 |
| Smithville | 50.84 | 48.4 | 61.6 | 79.0 | 65.2 | 63.5 | 100.0 | 6.0 | 121.5 |
| Wilmington | 57.79 | 48.2 | 62.0 | 78.5 | 64.0 | 63.1 | 103.0 | 9.0 | 124.4 |
| Asheville | 40.20 | 37.9 | 53.5 | 70.7 | 53.5 | 53.9 | 90.0 | *1.0 | ------ |
| *South Carolina:* | | | | | | | | | |
| Charleston | 59.92 | 51.2 | 65.0 | 81.0 | 66.8 | 66.2 | 104.0 | 13.0 | 132.5 |
| Aiken | ------ | 45.8 | 61.3 | 77.4 | 62.0 | 61.6 | 102.0 | 3.0 | ------ |
| *Georgia:* | | | | | | | | | |
| Augusta | 49.43 | 48.8 | 64.2 | 80.2 | 64.5 | 64.7 | 105.0 | 7.0 | 126.8 |
| Savannah | 52.70 | 52.9 | 66.6 | 81.1 | 66.9 | 67.1 | 105.0 | 15.0 | 118.2 |
| Atlanta | 56.08 | 46.1 | 61.3 | 76.5 | 62.4 | 61.7 | 97.5 | *1.3 | 114.8 |
| *Florida:* | | | | | | | | | |
| Jacksonville | 54.70 | 56.8 | 69.1 | 81.4 | 69.9 | 69.5 | 104.0 | 19.0 | 124.0 |
| Cedar Keyes | 55.86 | 60.1 | 70.3 | 81.7 | 72.4 | 71.1 | 96.0 | 22.0 | 162.0 |
| Key West | 40.31 | 70.8 | 76.9 | 83.8 | 78.8 | 77.7 | 97.0 | 44.0 | 114.8 |
| Sanford | 45.72 | 61.6 | 71.6 | 80.5 | 73.3 | 71.8 | 99.4 | 28.5 | 131.0 |
| Pensacola | 67.31 | 56.0 | 67.9 | 80.3 | 69.5 | 68.4 | 97.2 | 16.3 | 128.2 |
| *Alabama:* | | | | | | | | | |
| Mobile | 65.47 | 52.6 | 67.2 | 81.2 | 67.7 | 67.2 | 101.0 | 13.9 | 127.8 |
| Montgomery | 53.15 | 50.4 | 65.3 | 80.6 | 65.5 | 65.6 | 106.9 | 8.0 | 118.0 |
| *Mississippi:* | | | | | | | | | |
| Vicksburg | 61.06 | 50.4 | 66.0 | 80.8 | 65.5 | 65.7 | 101.0 | 10.0 | 124.0 |
| *Louisiana:* | | | | | | | | | |
| New Orleans | 64.29 | 56.0 | 69.0 | 81.9 | 69.9 | 69.4 | 97.0 | 20.0 | 111.9 |
| Shreveport | 53.62 | 48.9 | 66.1 | 81.9 | 65.2 | 65.7 | 107.0 | 6.0 | 126.1 |
| *Arkansas:* | | | | | | | | | |
| Fort Smith | 45.80 | 37.7 | 59.4 | 77.7 | 62.8 | 59.5 | 104.5 | *5.0 | 128.4 |
| Little Rock | 59.27 | 45.3 | 62.3 | 78.8 | 63.1 | 62.3 | 102.0 | 5.5 | 146.6 |
| *Tennessee:* | | | | | | | | | |
| Chattanooga | 59.85 | 44.2 | 60.1 | 76.2 | 61.3 | 60.4 | 101.0 | *1.0 | 117.3 |
| Knoxville | 53.88 | 39.7 | 57.2 | 74.8 | 57.7 | 57.5 | 100.0 | *16.0 | 117.4 |
| Memphis | 55.97 | 42.7 | 61.3 | 79.5 | 60.9 | 61.2 | 102.0 | *2.0 | 124.3 |
| Nashville | 52.10 | 41.2 | 59.7 | 78.5 | 59.7 | 59.8 | 104.0 | *10.0 | 100.9 |
| *Kentucky:* | | | | | | | | | |
| Louisville | 48.53 | 37.2 | 55.7 | 76.7 | 57.6 | 57.0 | 104.6 | *19.0 | 104.3 |
| *Missouri:* | | | | | | | | | |
| St. Louis | 37.73 | 34.1 | 54.7 | 76.7 | 56.3 | 55.4 | 106.4 | *21.0 | 119.1 |
| *Texas:* | | | | | | | | | |
| Galveston | 53.01 | 55.5 | 69.9 | 83.5 | 71.4 | 70.2 | 98.5 | 18.0 | 124.6 |
| Indianola | 37.62 | 55.6 | 70.4 | 82.8 | 71.5 | 70.1 | 100.0 | 14.0 | 124.2 |
| Palestine | 50.11 | 48.6 | 65.5 | 79.9 | 67.1 | 65.0 | 98.2 | 6.5 | 129.8 |
| Brownsville | 32.93 | 60.4 | 74.3 | 83.5 | 73.6 | 72.8 | 102.0 | 18.0 | 119.5 |
| Rio Grande City | 21.98 | 60.3 | 76.0 | 85.2 | 73.3 | 73.4 | 112.0 | 19.0 | 156.1 |
| Fort Elliott | 23.81 | 33.7 | 54.8 | 74.4 | 55.4 | 54.6 | 102.0 | *12.0 | 183.8 |
| Fort Concho | 30.11 | 45.6 | 65.1 | 80.7 | 63.2 | 63.6 | 110.0 | *1.0 | 162.7 |
| Fort Davis | 20.33 | 45.5 | 61.3 | 74.0 | 59.3 | 59.8 | 111.0 | Zero. | 199.2 |
| Fort Stockton | 19.21 | 46.0 | 64.3 | 79.2 | 62.0 | 62.8 | 107.4 | 2.0 | 203.0 |
| El Paso | 12.50 | 47.2 | 64.0 | 80.6 | 62.2 | 63.2 | 113.0 | *5.0 | 223.6 |

*Below zero.

ARIZONA, CALIFORNIA, OREGON, AND WASHINGTON TERRITORY—MEAN AVERAGE TEMPERATURE, CLEAR DAYS, AND RAINFALL.

| STATES AND STATIONS. | Average Rainfall. | Average Winter Temperature. | Average Spring Temperature. | Average Summer Temperature. | Average Fall Temperature. | Average Annual Temperature. | Highest Temperature. | Lowest Temperature. | Average Annual No. Clear Days. |
|---|---|---|---|---|---|---|---|---|---|
| *Arizona Territory:* | | | | | | | | | |
| Fort Apache | 23.70 | 36.1 | 50.5 | 69.6 | 52.4 | 52.0 | 102.5 | *9.0 | 207.5 |
| Fort Grant | 16.91 | 44.4 | 58.7 | 76.2 | 60.9 | 60.0 | 103.0 | 10 0 | 203.5 |
| Prescott | 15.40 | 35.4 | 49.4 | 69.7 | 52.2 | 52.1 | 103.0 | *18.0 | 234.8 |
| Camp Thomas | 11.73 | 43.4 | 60.4 | 80.7 | 60.1 | 61.4 | 112.5 | 10.0 | 204.3 |
| Yuma | 2.53 | 56.1 | 70.2 | 89.6 | 73.9 | 72.0 | 118.0 | 22.0 | 279.9 |
| *California:* | | | | | | | | | |
| San Diego | 10.81 | 54.6 | 58.1 | 66.8 | 62.6 | 60.5 | 101.0 | 32.0 | 122.3 |
| Los Angeles | 17.95 | 53.6 | 58.4 | 67.8 | 62.7 | 60.5 | 108.0 | 28.0 | 171.3 |
| San Francisco | 24.11 | 51.3 | 54.6 | 58.5 | 58.2 | 55.7 | 95.2 | 33.0 | 146.7 |
| Sacramento | 19.94 | 48.3 | 59.5 | 71.7 | 61.5 | 60.2 | 106.0 | 19.0 | 240.0 |
| Red Bluff | 27.45 | 46.8 | 59.8 | 79.7 | 63.2 | 62.4 | 110.5 | 19.0 | 227.7 |
| Cape Mendocino | 18.50 | 46.7 | 49.1 | 54.5 | 53.9 | 51.2 | 90.0 | 28.5 | 165.0 |
| *Oregon:* | | | | | | | | | |
| Roseburg | 35.48 | 41.0 | 51.2 | 64.1 | 51.7 | 51.9 | 97.2 | 3.3 | 103.4 |
| Portland | 52.99 | 40.6 | 51.6 | 64.4 | 52.8 | 52.4 | 99.0 | 3.0 | 87.3 |
| *Washington Territory:* | | | | | | | | | |
| Olympia | 59.14 | 38.8 | 48.5 | 60.7 | 49.4 | 49.2 | 95.0 | 2.0 | 64.1 |
| Fort Canby | 45.98 | 40.4 | 49.3 | 58.2 | 52.8 | 50.2 | 90.3 | 16.0 | 101.6 |

*Below zero.

## THE FOUR CITRUS BELTS OF THE NORTHERN HEMISPHERE.

The following tables show the temperature at places situated in the four recognized citrus belts of the northern hemisphere, and certainly the Central California citrus belt has no cause to complain of being colder, or its climate less equable than the other so called citrus regions. Take Northern Italy, the portion along the northern shores of the Mediterranean Sea has about the same climate, but the towns are running in opposition to each other as health and winter resorts, for which reason their reported minimum temperatures should be looked upon with some discredit. No doubt the low temperature recorded at Cannes is a fair sample of what it is. From that place to Genoa on the east, 20° is recorded as the lowest. In all probability 2° less than that would be nearer the mark. The winter temperature of any place in Central California in the following table will beat the Italian citrus climate.

Now take Florida. We find that Jacksonville and Pensacola have high annual and winter temperatures; but look at their minimum of 19° and 16°, respectively. If citrus fruits can stand that temperature in Florida without serious damage, what is to hinder the same kind of fruit in the central citrus belt of California from pushing ahead? Here they have never recorded as low a temperature as Pensacola. Take the citrus belt of Southern California. Look at the minimum temperature at Poway, San Diego County—21° in 1878 and 1881. In all probability it went as low as 18° during the passage of the cold wave of January, 1888. Poway, Los Angeles, and Riverside have exactly the same winter temperature as Marysville and Nicolaus, and 2° lower than Oroville. Riverside is reported to have had a minimum temperature of 17°. (See "Bee" of January 18, 1888, letter from W. G. Williams, of Loomis, Placer County.) Los Angeles must have had a temperature of at least 20° during our past cold spell, although her record before this was 23° as the lowest.

From these tables a great deal of information on the temperature of the four citrus belts can be learned. The yearly and winter temperature in Florida goes to show that one cannot judge understandingly of a climate for citrus fruits unless he knows the actual minimum or lowest temperature that occasionally sweeps over such semi-tropic belts. The tables are as follows:

ITALIAN CITRUS BELT.

| PLACES. | Average Yearly Temperature. | Average Winter Temperature. | Average Temperature Coldest Month. | Lowest Temperature. |
|---|---|---|---|---|
| Naples | 61.3 | 48.5 | 47.0 | ---- |
| Rome | 60.7 | 48.9 | 45.0 | ---- |
| Florence | 58.8 | 44.3 | 44.0 | ---- |
| Pisa | 60.4 | 46.4 | 45.8 | ---- |
| Genoa | 60.4 | 44.9 | 44.0 | ---- |
| San Remo | 60.1 | 48.9 | 48.0 | 23.0 |
| Mentone | 60.9 | 49.0 | 48.7 | 23.0 |
| Nice | 59.5 | 47.8 | 40.9 | ---- |
| Cannes | 59.9 | 49.6 | 48.8 | 20.0 |

SEMI-TROPIC FLORIDA.

| PLACES. | Average Yearly Temperature. | Average Winter Temperature. | Average Temperature Coldest Month. | Lowest Temperature. |
|---|---|---|---|---|
| Jacksonville | 69.5 | 58.7 | 57.4 | 19.0 |
| Pensacola | 68.4 | 55.7 | 54.1 | 16.0 |
| Sandford | 71.0 | 58.0 | 55.0 | 28.0 |

SOUTHERN CALIFORNIA CITRUS BELT.

| PLACES. | Average Yearly Temperature. | Average Winter Temperature. | Average Temperature Coldest Month. | Lowest Temperature. |
|---|---|---|---|---|
| Poway | 59.3 | 50.2 | 48.4 | 21.0 |
| Riverside | 61.0 | 50.4 | 49.7 | *17.0 |
| Los Angeles | 60.5 | 50.0 | 52.0 | 23.0 |
| Santa Barbara | 61.1 | 54.0 | 52.9 | 30.0 |

*See letter of W. G. Williams, in "Sacramento Bee," January 18, 1888.

THE GREAT CITRUS BELT OF THE SACRAMENTO VALLEY.

| PLACES. | Average Yearly Temperature. | Average Winter Temperature. | Average Temperature Coldest Month. | Lowest Temperature. |
|---|---|---|---|---|
| Sacramento | 60.2 | 48.3 | 47.0 | 18.0 |
| Auburn | 59.7 | 46.2 | 44.0 | 18.0 |
| Colfax | 59.5 | 46.0 | 43.1 | 18.0 |
| Nicolaus | 62.0 | 50.9 | 47.0 | 18.0 |
| Marysville | 64.2 | 50.0 | 48.7 | 18.0 |
| Princeton | 62.8 | 48.2 | 47.0 | 18.0 |
| Oroville | 64.9 | 52.0 | 49.4 | 20.0 |
| Chico | 63.8 | 47.0 | 44.6 | 18.0 |
| Red Bluff | 62.4 | 46.8 | 45.2 | 18.0 |
| Redding | 63.8 | 47.8 | 45.4 | 18.0 |

The above table shows the average yearly temperature, average winter temperature, average temperature of the coldest month, and the lowest recorded temperature known. The lowest in the great citrus belt of the Sacramento Valley is taken generally from the extraordinary cold spell of January sixth to eighteenth, being the second cold spell in forty years for our valley and State.

**Monthly Temperature at the Southern Pacific Stations in California.**—The mean temperature as determined from observations taken at 7 A. M., 2 and 9 P. M., by the Southern Pacific Company, during the year 1888, and compiled from their records by NELSON GOROM, Observer Signal Corps, in charge of the local Signal Office at San Francisco. (Mean—$\frac{1}{3}$ of 7 A. M. 2 and 9 P. M.)

| STATIONS. | January | February | March | April | May | June | July | August | September | October | November | December | Annual Means | Highest observed | Lowest observed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alcade | | | | | | | 85.0 | 86.4 | 83.3 | 68.2 | 56.1 | 49.1 | 71.4 | 112 | 35 |
| Almaden | 46.6 | 54.2 | 54.5 | 61.2 | 62.3 | 68.6 | 70.6 | 72.5 | 69.4 | 64.2 | 56.6 | 54.7 | 61.3 | 102 | 27 |
| Anaheim | 55.6 | 58.5 | 59.5 | 66.9 | 69.9 | 73.5 | 71.3 | 72.1 | 74.8 | 69.3 | 63.4 | 60.9 | 66.3 | 94 | 34 |
| Antioch | 44.6 | 52.6 | 54.0 | 60.0 | 65.9 | 67.9 | 76.2 | 78.2 | 80.1 | 67.9 | 51.9 | 47.6 | 62.2 | 105 | 24 |
| Aptos | 46.0 | 51.9 | 53.0 | 58.4 | 59.7 | 67.9 | 65.9 | 63.2 | 61.8 | 59.1 | 53.9 | 54.1 | 57.9 | 88 | 19 |
| Athlone | 43.4 | 52.2 | 54.8 | 67.6 | 71.9 | 76.4 | 81.7 | 84.5 | 79.1 | 66.1 | 55.0 | 50.2 | 65.2 | 109 | 20 |
| Auburn | 40.4 | 50.9 | 51.3 | 61.4 | 61.0 | 66.9 | 76.5 | 79.5 | 76.9 | 64.2 | 52.9 | 47.1 | 60.8 | 105 | 12 |
| Bakersfield | | | | | | | | | | | 57.8 | 51.7 | | — | — |
| Beaumont | 41.5 | 51.3 | 48.2 | 62.0 | 62.7 | 69.9 | 77.4 | 79.7 | 78.5 | 65.8 | 55.9 | 53.7 | 62.2 | 104 | 24 |
| Bishop Creek | 33.4 | 50.9 | 56.3 | 69.6 | 78.1 | 86.0 | 87.7 | 91.7 | 81.7 | 65.3 | 48.9 | 38.8 | 65.7 | 105 | 3 |
| Boca | 15.8 | 27.6 | 33.4 | 42.5 | 53.4 | 58.4 | 67.9 | 63.6 | 60.4 | 43.5 | 33.5 | 31.2 | 44.3 | 95 | —39 |
| Borden | 43.8 | 51.7 | 54.7 | 69.5 | 70.5 | 75.4 | 82.5 | 86.8 | — | — | — | 48.9 | 64.9 | 115 | 17 |
| Boulder Creek | | | | | | | | | 66.8 | 58.6 | 51.8 | 51.7 | 57.2 | — | — |
| Brentwood | 42.2 | 51.3 | 57.8 | 67.6 | 75.6 | 77.8 | 84.7 | 83.1 | 77.1 | 71.1 | 49.8 | 49.9 | 65.7 | 102 | 19 |
| Brighton | 45.4 | 54.5 | 55.3 | 66.9 | 69.1 | 74.6 | 79.8 | 81.8 | 81.7 | 71.3 | 59.1 | 49.6 | 65.8 | 109 | 22 |
| Byron | 41.8 | 56.5 | 59.4 | 69.2 | 69.5 | 78.2 | 80.3 | 84.5 | 79.0 | 69.1 | 57.9 | 53.2 | 66.6 | 108 | 22 |
| Cactus | | | | | | | | | | | | — | | | |
| Castroville | | | | | | | | | | | | — | | | |
| Caliente | 47.0 | 55.4 | 53.3 | 67.9 | 74.1 | 75.1 | 83.5 | 82.1 | 82.9 | 69.6 | 56.5 | 52.9 | 66.7 | 107 | 20 |
| Calistoga | 44.4 | 53.7 | 55.1 | 60.3 | 58.5 | 64.8 | 67 3 | 68.7 | 65.8 | 61.7 | 54.7 | 52.7 | 59.0 | 108 | 22 |
| Chico | 42.6 | 54.9 | 56.4 | 70.9 | 71.6 | 75.1 | 86.0 | 86.2 | 83.0 | 67.2 | 54.7 | 51.4 | 67.1 | 111 | 18 |
| Cisco | 27.8 | 33.0 | 34.8 | 44.8 | 48.2 | 51.1 | 63.4 | 62.3 | 62.6 | 50.2 | 39.7 | 35.7 | 46.1 | 82 | 0 |
| Coles | 40.8 | 40.6 | 39.9 | 51.6 | 53.0 | 58.0 | 69.2 | 70.9 | 64.6 | 53.6 | 42.4 | 40.0 | 52.0 | 100 | 18 |
| Colfax | 37.8 | 47.8 | 49.0 | 60.4 | 61.2 | 65.4 | 75.0 | 76.8 | 73.7 | 60.9 | 50.7 | 47.6 | 58.9 | 102 | 16 |
| Colton | 47.7 | 55.6 | 62.0 | 65.0 | 69.2 | 73.2 | 80.4 | 78.0 | 79.3 | 70.4 | 65.7 | 57.2 | 67.0 | 110 | 26 |
| Corning | 39.9 | 49.0 | 50.1 | 69.5 | 71.4 | 72.6 | 85.6 | 87.1 | 81.6 | 75.1 | 57.5 | 49.3 | 65.7 | 110 | 25 |
| Davisville | 43.4 | 50.7 | 53.1 | 65.1 | 66.8 | 69.9 | 77.1 | 76.9 | 71.4 | 65.3 | 57.0 | 53.5 | 62.5 | 111 | 19 |
| Delano | 44.2 | 49.0 | 50.2 | 66.6 | 70.9 | 76.3 | 85.6 | 87.3 | 84.8 | 73.2 | 59.0 | 51.9 | 66.6 | 105 | 24 |
| Delta | 33.7 | 45.8 | 44.4 | 62.3 | 66.4 | 67.4 | 77.2 | 76.4 | 74.6 | 61.2 | 54.2 | 48 7 | 59.4 | 105 | 10 |
| Downey | | | | | | | | | | | | — | | | |
| Dunnigan | 45.5 | 57.2 | 61.8 | 71.5 | 73.1 | 79.0 | 82.7 | 83.3 | 80.5 | 71.5 | 55.5 | 52.6 | 67.8 | 114 | 20 |
| Dunsmuir | | | 43.8 | 53.9 | 51.0 | 52.8 | 59.2 | 58.7 | 61.1 | 62.6 | 53.5 | 44.7 | 54.1 | 98 | — |
| Edgewood | | | | | | | | 68.5 | 63.2 | 55.2 | 48.5 | 40.5 | 55.2 | — | — |
| El Dorado | | | | | | | | | | | | 48.7 | — | — | — |

MONTHLY TEMPERATURE AT THE SOUTHERN PACIFIC STATIONS IN CALIFORNIA—Continued.

| STATIONS. | January | February | March | April | May | June | July | August | September | October | November | December | Annual Means | Highest Observed | Lowest Observed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Elmira | 44.6 | 54.4 | 56.6 | 64.4 | 65.4 | 73.1 | 78.1 | 82.5 | 80.6 | 65.8 | 59.0 | 53.0 | 64.8 | 113 | 24 |
| El Verano | | | | | | | | 70.7 | 67.7 | 62.1 | 55.6 | 53.0 | 61.8 | — | — |
| Emigrant Gap | 32.3 | 40.1 | 38.7 | 53.9 | 53.0 | 54.7 | 64.7 | 67.3 | 66.7 | 54.9 | 43.6 | 40.4 | 50.9 | 86 | 8 |
| Esperanza | | | | | | | | | 84.1 | 67.8 | 56.2 | 48.3 | 64.1 | — | — |
| Eureka | 44.6 | 48.1 | 47.7 | 50.9 | 53.0 | 58.8 | 56.5 | — | 56.5 | 53.0 | 50.2 | 53.0 | 52.0 | — | 20 |
| Farmington | 44.5 | 53.1 | 54.5 | 66.3 | 66.5 | 72.8 | 76.3 | 81.6 | 78.4 | 65.4 | 54.2 | 48.8 | 63.5 | 111 | 20 |
| Felton | | | | | | | | 67.4 | 66.0 | 61.0 | 54.6 | 53.6 | 60.5 | — | — |
| Florence | | | | | | | | | | | | 58.4 | | — | — |
| Folsom | | | | | | | | 82.7 | 80.1 | 68.4 | 56.6 | 51.9 | 67.9 | — | — |
| Fresno | 44.1 | 53.2 | 54.1 | 67.1 | 68.6 | 74.0 | 80.6 | 83.0 | 80.3 | 66.2 | 53.7 | 47.8 | 64.4 | 111 | 20 |
| Fruto | | | | | | | | 82.2 | 83.3 | 70.9 | 57.4 | 49.7 | 68.7 | — | — |
| Galt | 46.8 | 47.5 | 53.1 | 68.2 | 68.7 | 72.7 | 80.1 | 78.6 | 73.8 | 65.8 | 56.0 | 49.6 | 63.4 | 108 | 20 |
| Girard | | | | | | | | | | | | — | | — | — |
| Gilroy | 44.8 | 51.1 | 52.3 | 62.0 | 61.8 | 71.9 | 71.4 | 74.1 | 70.8 | 61.7 | 55.4 | 51.4 | 60.7 | 104 | 20 |
| Glen Ellen | | | | | | | | 72.2 | 65.9 | 62.2 | 54.9 | 49.2 | 60.9 | — | — |
| Goshen | 44.6 | 54.1 | 56.9 | 70.9 | 74.6 | 80.7 | 88.8 | 90.3 | 85.8 | 70.7 | 58.8 | 49.0 | 68.8 | 110 | 16 |
| Hollister | 47.6 | 54.3 | 54.9 | 60.9 | 61.3 | 67.9 | 68.4 | 68.4 | 63.7 | 59.0 | 53.9 | 53.5 | 59.5 | 104 | 21 |
| Hornbrook | 22.0 | 41.3 | 47.0 | 58.5 | 63.9 | 66.0 | 70.9 | 77.4 | 73.1 | 57.6 | 43.2 | 41.6 | 55.2 | 104 | —12 |
| Indio | 47.8 | 60.3 | 62.3 | 75.6 | 74.2 | 89.7 | 96.9 | 95.4 | 93.6 | 79.8 | 65.0 | 55.7 | 74.7 | 112 | 22 |
| Ione | 42.6 | 50.6 | 50.5 | 61.3 | 65.4 | 75.1 | 80.6 | 82.3 | 78.5 | 67.1 | 59.9 | 58.2 | 64.3 | 110 | 17 |
| King's City | 44.2 | 48.2 | 47.1 | 55.3 | 63.9 | 68.7 | 70.1 | 68.1 | 68.1 | 61.8 | 55.1 | 52.3 | 58.6 | 110 | 15 |
| Keeler | 35.1 | 47.3 | 50.1 | 63.9 | 66.0 | 74.0 | 81.7 | 82.8 | 80.2 | 67.9 | 51.1 | 43.5 | 61.8 | 100 | 12 |
| Keene | 41.1 | 47.5 | 50.5 | 60.7 | 63.5 | 68.3 | 75.5 | 77.0 | 76.3 | 61.7 | 50.8 | 48.9 | 60.2 | 102 | 16 |
| Kingsbury | 41.3 | 48.5 | 52.7 | 70.2 | 67.9 | 74.7 | 84.4 | 86.2 | 82.1 | 68.0 | 55.2 | 48.8 | 65.0 | 114 | 20 |
| Knights Landing | 41.3 | 50.5 | 51.0 | 60.3 | 66.3 | 67.2 | 74.3 | 73.6 | 74.0 | 64.5 | 53.6 | 48.8 | 60.4 | 105 | 20 |
| Lathrop | 44.9 | 52.6 | 53.3 | 64.3 | 65.7 | 72.6 | 75.4 | 75.3 | 71.1 | 61.8 | 54.7 | 47.8 | 61.6 | 112 | 23 |
| Laurel | | | | | | | | 70.1 | 68.8 | 62.9 | 54.7 | 53.0 | 61.9 | — | — |
| Lemoore | 43.8 | 50.6 | 53.6 | 66.8 | 65.2 | 74.6 | 82.8 | 83.4 | 82.8 | 66.0 | 52.7 | 46.9 | 64.1 | 113 | 18 |
| Livermore | 46.9 | 53.7 | 53.7 | 59.9 | 58.8 | 64.0 | 63.6 | 66.0 | 64.6 | 59.5 | 51.9 | 47.6 | 57.5 | 110 | 20 |
| Livingston | 48.2 | 56.4 | 57.8 | 68.3 | 70.6 | 74.9 | 86.3 | 82.9 | 79.6 | 67.4 | 55.9 | 49.2 | 66.5 | 111 | 21 |
| Long Beach | | | | | | | | | | | | — | | — | — |
| Los Angeles | 50.0 | 54.4 | 55.1 | 61.9 | 60.8 | 67.5 | 67.9 | 67.6 | 68.4 | 62.0 | 57.2 | 55.2 | 60.7 | 99 | 31 |
| Los Gatos | | | | | | | | | 70.8 | 64.4 | 55.0 | 52.4 | 60.6 | — | — |
| Mammoth Tank | 49.6 | 59.4 | 63.0 | 82.0 | 82.6 | 93.4 | 97.2 | 96.0 | 93.9 | 78.6 | 61.3 | 52.0 | 75.7 | 117 | 27 |
| Martinez | 44.0 | 53.1 | 49.7 | 58.9 | 58.6 | 70.7 | 74.3 | 68.3 | 67.8 | 63.5 | 54.2 | 50.8 | 59.5 | 94 | 20 |
| Marysville | 54.5 | 57.5 | 63.9 | 70.4 | 70.2 | 78.8 | 81.3 | 81.4 | 77.6 | 67.4 | 52.7 | 47.7 | 67.0 | 106 | 20 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Menlo Park | 45.8 | 52.5 | 51.4 | 59.0 | 60.4 | 67.0 | 70.2 | 69.5 | 66.7 | 61.7 | 55.2 | 53.1 | 59.4 | 101 | 20 |
| Merced | 47.1 | 54.6 | 54.2 | 65.9 | 69.3 | 76.3 | 83.4 | 83.0 | 77.7 | 68.5 | 58.0 | 50.8 | 65.7 | 120 | 20 |
| Modesto | 44.2 | 50.8 | 54.4 | 66.2 | 66.1 | 73.4 | 80.9 | 86.6 | 80.7 | 64.7 | 52.7 | 50.4 | 64.3 | 110 | 19 |
| Mojave | 43.7 | 52.1 | 53.7 | 71.0 | 67.6 | 73.1 | 81.2 | 85.3 | 93.9 | 69.4 | 58.4 | 51.8 | 66.8 | 115 | 16 |
| Montague | ------ | 49.8 | 49.9 | 61.9 | 65.4 | 65.6 | 80.3 | 85.9 | 74.3 | 61.9 | 44.1 | 40.4 | 61.8 | 104 | — |
| Monterey | 49.7 | 54.8 | 54.6 | 57.5 | 60.0 | 64.8 | 64.6 | 63.1 | 62.5 | 59.5 | 53.7 | 55.2 | 58.2 | 90 | 20 |
| Napa | 44.6 | 49.5 | 51.8 | 56.4 | 60.4 | 69.8 | 69.3 | 67.2 | 65.8 | 60.4 | 52.7 | 51.0 | 58.2 | 100 | 21 |
| Newark | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 68.6 | 68.4 | 65.0 | 58.1 | 53.6 | 62.7 | — | — |
| Newhall | 45.5 | 50.9 | 54.9 | 65.1 | 64.0 | 71.5 | 77.6 | 75.2 | 76.6 | 63.9 | 52.9 | 49.8 | 62.7 | 108 | 14 |
| Newman | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 85.5 | — | 58.3 | 53.1 | — | — | — |
| Niles | — | 50.5 | 54.8 | 61.7 | 63.9 | 66.3 | 73.3 | 68.4 | 66.7 | 63.0 | 62.5 | 55.2 | 57.2 | 101 | — |
| Norwalk | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | — | 55.1 | — | — | — |
| Oakland | 47.4 | 52.6 | 51.0 | 57.6 | 57.0 | 62.9 | 62.5 | 61.4 | 60.8 | 69.1 | 54.2 | 52.1 | 56.6 | 80 | 28 |
| Ontario | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ |
| Orland | 44.5 | 54.8 | 53.9 | 69.0 | 70.7 | 75.3 | 85.1 | 85.5 | 84.3 | 74.8 | 57.5 | 51.1 | 67.2 | 115 | 22 |
| Pajaro | 47.1 | 53.1 | 52.1 | 56.0 | 58.3 | 63.1 | 63.5 | 61.4 | 62.3 | 60.8 | 55.6 | 55.8 | 57.4 | 89 | 20 |
| Paso Robles | 44.1 | 47.8 | 51.9 | 62.3 | 64.0 | 71.7 | 73.5 | 74.4 | 71.0 | 60.4 | 51.3 | 47.9 | 60.0 | 108 | 13 |
| Petaluma | 44.2 | 50.8 | 49.0 | 57.3 | 57.8 | 61.2 | 68.2 | 67.3 | 65.0 | 65.0 | 55.1 | 51.3 | 57.7 | 97 | 18 |
| Placerville | ------ | ------ | ------ | ------ | ------ | ------ | 74.5 | 73.2 | 71.4 | 57.9 | 49.9 | 46.8 | 62.3 | 103 | — |
| Pleasanton | 48.1 | 53.7 | 54.9 | 61.8 | 63.4 | 69.8 | 74.7 | 75.7 | 75.7 | 67.8 | 51.3 | 51.6 | 62.4 | 104 | 22 |
| Pomona | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | — | 59.2 | — | — | — |
| Porterville | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 90.5 | 81.4 | 72.0 | 57.0 | 50.1 | 70.2 | — | — |
| Puenta | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ |
| Red Bluff | 40.9 | 53.9 | 54.5 | 67.0 | 68.1 | 70.7 | 80.9 | 83.6 | 81.2 | 68.2 | 54.8 | 48.3 | 64.3 | 109 | 18 |
| Redding | 39.2 | 52.4 | 55.3 | 69.6 | 74.2 | 72.5 | 83.0 | 80.9 | 81.5 | 66.4 | 48.5 | 53.9 | 64.8 | 106 | 18 |
| Rocklin | 42.7 | 49.8 | 52.5 | 59.7 | 64.0 | 70.2 | 79.9 | 82.1 | 78.4 | 66.8 | 55.0 | 48.5 | 62.5 | 106 | 20 |
| Rumsey | ------ | ------ | ------ | ------ | ------ | ------ | 84.1 | 84.6 | 82.4 | 70.9 | 56.2 | 50.8 | 71.5 | 110 | — |
| Sacramento | 42.8 | 52.6 | 53.6 | 62.3 | 61.8 | 67.7 | 71.6 | 75.4 | 73.7 | 64.2 | 53.6 | 48.4 | 60.6 | 108 | 19 |
| Salinas | 44.1 | 49.7 | 48.6 | 56.2 | 58.1 | 68.4 | 66.2 | 60.3 | 59.3 | 57.3 | 50.8 | 52.2 | 55.9 | 87 | 21 |
| Sanger Junction | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 89.2 | 84.1 | 72.5 | 59.6 | 51.2 | 71.3 | — | — |
| San Ardo | 44.6 | 50.8 | 52.0 | 60.0 | 62.7 | 70.1 | 69.4 | 69.9 | 70.5 | 62.0 | 54.9 | 51.9 | 59.9 | 111 | 20 |
| San Diego | 51.6 | 54.9 | 55.8 | 60.8 | 61.2 | 65.9 | 68.4 | 68.4 | 68.2 | 63.5 | 58.8 | 56.5 | 61.2 | 93 | 33 |
| San Fernando | 44.6 | 52.4 | 55.6 | 69.5 | 62.1 | 75.1 | 76.4 | 74.9 | 76.7 | 68.2 | 58.6 | 55.1 | 64.1 | 108 | 28 |
| San Francisco | 46.3 | 52.8 | 52.5 | 56.2 | 55.4 | 61.0 | 59.1 | 57.8 | 59.0 | 58.6 | 55.1 | 52.4 | 55.5 | 93 | 29 |
| San Gabriel | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 54.0 | — | ------ | ------ |
| San José | 46.4 | 52.6 | 52.8 | 58.3 | 59.8 | 65.2 | 66.8 | 68.6 | 68.0 | 62.3 | 56.5 | 52.9 | 59.2 | 93 | 22 |
| San Mateo | 46.5 | 51.2 | 51.7 | 58.3 | 58.2 | 67.1 | 69.7 | 66.7 | 62.8 | 58.1 | 49.3 | 50.6 | 57.5 | 92 | 26 |
| San Miguel | 43.2 | 52.5 | 54.5 | 61.2 | 62.2 | 69.5 | 69.9 | 73.2 | 70.5 | 62.5 | 54.4 | 50.9 | 60.4 | 106 | 17 |
| San Pedro | ------ | ------ | ------ | ------ | ------ | ------ | 76.2 | 77.3 | 75.0 | 69.2 | 62.1 | 59.1 | 69.8 | 90 | — |
| Santa Ana | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | — | ------ | ------ | ------ |
| Santa Barbara | 48.4 | 56.1 | 54.8 | 62.6 | 62.8 | 70.7 | 72.5 | 69.0 | 67.0 | 65.0 | 59.6 | 55.8 | 62.4 | 82 | 30 |
| Santa Cruz | 49.2 | 53.1 | 54.8 | 59.3 | 59.3 | 67.5 | 66.4 | 64.4 | 65.8 | 66.3 | 58.0 | 57.1 | 60.1 | 98 | 24 |
| Santa Monica | 56.8 | 58.0 | 57.2 | 65.3 | 64.0 | 68.0 | 76.7 | 74.6 | 72.6 | 67.8 | 60.5 | 55.8 | 64.8 | 91 | 39 |
| Santa Paula | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 68.3 | 70.5 | 67.3 | 62.6 | 59.8 | 65.7 | — | — |
| Santa Rosa | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 71.7 | 67.4 | 62.1 | 53.9 | 51.5 | 61.3 | — | — |

MONTHLY TEMPERATURE AT THE SOUTHERN PACIFIC STATIONS IN CALIFORNIA—Continued.

| STATIONS. | January | February | March | April | May | June | July | August | September | October | November | December | Annual Means | Highest observed | Lowest observed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selma | 43.6 | 50.4 | 51.7 | 63.1 | 70.7 | 77.2 | 85.8 | 87.7 | 83.4 | 70.2 | 57.0 | 48.0 | 65.7 | 110 | 22 |
| Seven Palms | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | — | 55.9 | ---- | — | — |
| Shingle Springs | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 73.9 | 77.7 | 60.0 | 50.0 | — | — | — | — |
| Sims | — | — | 53.7 | 66.1 | 72.4 | 71.7 | 83.5 | 88.4 | 79.1 | 69.8 | 53.9 | 41.0 | 68.0 | 105 | — |
| Sisson | — | — | 43.4 | 60.3 | 45.4 | 57.1 | 66.1 | 69.2 | 63.1 | 53.4 | 44.6 | 41.0 | 54.4 | 104 | — |
| Soledad | 42.1 | 50.4 | 50.5 | 59.2 | 57.6 | 63.6 | 64.8 | 63.7 | 63.2 | 58.1 | 51.1 | 49.1 | 56.1 | 104 | 16 |
| Soquel | 50.3 | 52.2 | 53.6 | 59.6 | 61.0 | 68.4 | 69.5 | 63.7 | 61.5 | 61.3 | 51.5 | 55.0 | 59.0 | 94 | 18 |
| South Side | 46.0 | 52.3 | 51.5 | 63.5 | 61.5 | 70.0 | 77.2 | 78.2 | 80.1 | 65.2 | 56.0 | 52.1 | 62.8 | 110 | 26 |
| South Vallejo | 44.4 | — | 53.4 | 57.0 | 57.8 | 63.7 | 66.6 | 68.6 | 66.9 | 63.2 | 56.0 | 50.2 | 58.9 | 95 | 24 |
| Spadra | 49.1 | 52.2 | 51.0 | 61.8 | 62.7 | 70.8 | 69.8 | 68.4 | 67.7 | 61.3 | 56.6 | 53.1 | 60.4 | 110 | 27 |
| Stockton | 44.3 | 51.1 | 53.6 | 62.3 | 62.0 | 68.1 | 71.1 | 74.9 | 72.3 | 62.2 | 53.3 | 49.6 | 60.4 | 102 | 24 |
| Suisun | 44.7 | 51.9 | 56.9 | 63.5 | 61.7 | 68.3 | 71.1 | 72.5 | 71.9 | 65.7 | 58.7 | 54.1 | 61.8 | 105 | 27 |
| Summit | 22.4 | 30.9 | 30.5 | 40.7 | 45.9 | 50.1 | 60.0 | 59.6 | 59.7 | 48.7 | 35.5 | 31.7 | 43.0 | 81 | —12 |
| Sumner | 46.5 | 54.9 | 57.7 | 73.5 | 75.7 | 83.2 | 91.7 | 89.4 | 86.5 | 68.4 | — | — | 72.8 | 110 | 20 |
| Tehama | 41.1 | 54.6 | 54.7 | 65.9 | 65.4 | 68.6 | 78.8 | 81.1 | 72.7 | 64.5 | 57.9 | 55.0 | 63.4 | 110 | 21 |
| Tehachapi | 32.9 | 41.3 | 46.2 | 54.7 | 61.4 | — | — | — | 68.4 | 49.7 | 42.7 | 39.0 | 48.5 | — | 2 |
| Templeton | 46.0 | 54.0 | 54.4 | 61.8 | 61.2 | 69.8 | 71.2 | 73.7 | 70.4 | 60.3 | 52.6 | 50.3 | 60.5 | 107 | 15 |
| Towles | 34.5 | 46.4 | 49.3 | 53.9 | 60.9 | 55.0 | 69.0 | 60.8 | 62.6 | 54.1 | 51.3 | 43.2 | 53.4 | 95 | 8 |
| Tracy | 47.6 | 51.4 | 52.5 | 65.4 | 68.3 | 72.6 | 75.4 | 78.9 | 73.2 | 64.5 | 57.3 | 50.2 | 63.1 | 106 | 20 |
| Traver | — | — | 54.8 | 65.2 | 76.4 | 83.0 | 89.0 | 85.5 | 81.4 | 69.0 | 57.4 | 43.2 | 70.5 | 106 | — |
| Tropico | 48.3 | 52.7 | 55.7 | 64.3 | 65.7 | 71.8 | 74.0 | 72.5 | 74.5 | 63.7 | 55.3 | 53.1 | 62.6 | 102 | 26 |
| Truckee | 20.2 | 29.6 | 53.6 | 46.5 | 51.6 | 56.0 | 67.3 | 64.9 | 61.6 | 50.6 | 39.3 | 34.0 | 47.9 | 88 | —30 |
| Tulare | 44.0 | 51.5 | 57.0 | 73.0 | 75.0 | 80.5 | 86.4 | 85.0 | 81.1 | 71.6 | 61.7 | 50.2 | 68.1 | 113 | 18 |
| Turlock | 45.7 | 53.2 | 55.9 | 64.6 | 67.0 | 74.1 | 78.2 | 81.6 | 76.5 | 65.2 | 54.6 | 53.1 | 64.1 | 109 | 21 |
| Vacaville | ---- | ---- | ---- | ---- | ---- | ---- | ---- | — | 80.4 | 73.4 | 62.8 | 51.6 | 67.0 | — | — |
| Vina | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 72.8 | 66.0 | 54.4 | 50.8 | 61.0 | — | — |
| Volcano Springs | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | — | 52.2 | ---- | — | — |
| Westley | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 84.1 | 78.7 | 69.0 | 58.7 | 54.9 | 69.1 | — | — |
| Whittier | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 76.1 | 79.9 | 72.1 | 61.7 | 55.4 | 69.0 | — | — |
| Williams | 46.1 | 53.4 | 52.6 | 64.1 | 68.9 | 79.0 | 87.7 | 82.9 | 84.8 | 74.3 | 55.1 | 47.9 | 66.4 | 110 | 19 |
| Willows | 40.3 | 51.1 | 51.6 | 64.1 | 67.2 | 70.9 | 79.8 | 78.8 | 84.2 | 67.8 | 52.5 | 47.6 | 63.0 | 105 | 20 |
| Winters | ---- | ---- | ---- | ---- | ---- | ---- | 83.2 | 84.5 | 82.4 | 72.4 | 60.7 | 51.3 | 72.4 | 109 | — |
| Woodland | 43.2 | 46.1 | 48.1 | 51.7 | 62.5 | 67.3 | 73.4 | 76.1 | 74.6 | 68.8 | 58.3 | 50.1 | 60.0 | 102 | 18 |

**California's Rainfall for 1888.**—The rainfall for each month of the year 1888, in California, from the records of the Southern Pacific Railroad Company, voluntary observers, military posts, and from those of the Signal Service Station not otherwise accounted for in this publication:

| Stations. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Normal or Average Precipitation. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crescent City | 22.46 | 3.52 | 5.86 | 1.42 | 1.04 | 7.30 | .02 | .00 | .00 | .08 | 2.47 | 2.99 | 58.40 | 83.45 |
| Crescent City | 22.46 | 3.25 | 4.55 | 3.13 | .65 | 6.49 | .00 | .00 | .00 | 2.04 | 4.92 | 7.19 | 54.68 | ------- |
| Fort Bidwell | 3.28 | 1.81 | 3.28 | .16 | 1.50 | 2.38 | .34 | .04 | .33 | .20 | .63 | .16 | 14.11 | 20.20 |
| Fort Gaston | 12.58 | 5.18 | 4.32 | .70 | 1.18 | 4.20 | .30 | .00 | .00 | .61 | 2.08 | 4.55 | 35.70 | 45.69 |
| Humboldt | 12.39 | 1.30 | 3.79 | .65 | .85 | 4.22 | .37 | .00 | .04 | .89 | 2.84 | 6.20 | 33.52 | 33.59 |
| Eureka | 12.95 | 1.98 | 4.09 | 1.05 | .76 | 4.66 | .44 | T. | .06 | 1.15 | 3.41 | 5.73 | 36.48 | 40.79 |
| Upper Matole | 41.63 | 4.13 | 8.96 | 1.51 | .48 | 4.19 | .11 | T. | .00 | 1.06 | 4.86 | 13.62 | 80.55 | ------- |
| Redding | 9.35 | 2.70 | 2.95 | .00 | .73 | 3.52 | .00 | .00 | .45 | .00 | ------- | 7.43 | ------- | ------- |
| Tehama | 4.70 | 2.40 | 4.10 | .25 | .25 | .30 | .00 | .00 | .00 | .00 | 3 61 | 8.33 | 23.94 | 14.65 |
| Corning | 3.64 | 2.09 | 3.20 | .19 | .40 | .79 | T. | .00 | .52 | .00 | 3.34 | 5.37 | 19.44 | 14.95 |
| Chico | 4.95 | 1.15 | 1.94 | .15 | .00 | 1.20 | .00 | .00 | .68 | .00 | 4.49 | 5.35 | 19 81 | 19.31 |
| Orland | 4.11 | 1.56 | 2.73 | .57 | .24 | .53 | .00 | .00 | .27 | .00 | 2.79 | 3.47 | 16.27 | 14.12 |
| Williams | 2.22 | .70 | 1.72 | .00 | .67 | .08 | .04 | .02 | .50 | .00 | 4.10 | 2.67 | 12.72 | 11.77 |
| Westport | 16.61 | 2.04 | 4.83 | .73 | .79 | 5.61 | .22 | T. | .40 | .22 | ------- | ------- | ------- | ------- |
| Point Arena | 11.41 | 1.29 | 2.95 | .25 | .75 | 2.70 | .36 | .00 | .54 | .15 | 3.33 | 5.78 | 29.51 | 27.17 |
| Truckee | 3.43 | 12.50 | .16 | .00 | 2.04 | .37 | .40 | T. | .00 | .00 | .00 | 4.80 | 23.70 | 23.70 |
| Emigrant Gap | 17.05 | 3.92 | 5.42 | 3.30 | 2.33 | 3.04 | .62 | .00 | .10 | .00 | 4.77 | 7.39 | 47.94 | 51.96 |
| Colfax | 13.28 | 2.18 | 3.80 | .95 | .17 | 2.69 | .00 | .00 | .25 | .10 | 3.28 | 9.57 | 35.27 | 43.98 |
| Auburn | 7.07 | 1.40 | 3.25 | .80 | .40 | 1.55 | .00 | .00 | .00 | .00 | 4.20 | 5.82 | 24.49 | 32.40 |
| Rocklin | 4.39 | .76 | 2.05 | .00 | .53 | ? | .05 | .00 | .00 | .00 | 2.73 | 3.94 | 15.05 | 21.16 |
| Dunnigan | 4.18 | 1.03 | 3.39 | .00 | 1.62 | .00 | .00 | .00 | .59 | .00 | 5.88 | 4.59 | 21.28 | 16.07 |
| Davis | 4.23 | 1.10 | 2.80 | .30 | .50 | .00 | .00 | .00 | .65 | .00 | 5.06 | 4.10 | 18.74 | 16.55 |
| Knights Landing | 4.18 | .91 | 2.51 | .07 | 2.45 | .31 | .02 | .00 | .81 | .00 | 5.72 | 4.82 | 21.83 | 17.75 |
| Calistoga | 7.87 | 2.87 | 5.64 | .26 | .20 | 1.16 | .00 | .00 | .89 | .00 | 6.14 | 6.91 | 31.94 | 31.00 |
| Napa | 4.87 | 1.33 | 4.18 | .88 | .65 | .00 | .00 | .00 | .49 | .00 | 2.96 | 5.30 | 20.66 | 23.25 |
| Sonoma | 5.78 | .70 | 4.55 | .19 | 1.42 | .73 | .00 | .00 | .86 | .00 | 5.02 | 8.30 | 27.55 | 25.82 |
| Petaluma | 3.72 | 2.10 | 4.85 | .36 | 1.00 | .30 | .00 | .00 | 1.24 | .00 | 4.37 | 5.83 | 23.77 | 21.83 |
| Ione | 4.60 | 5.12 | 1.16 | .70 | .22 | .00 | .00 | .00 | .36 | .00 | 2.99 | 2.48 | 17.63 | 19.34 |
| Brighton | 4.67 | .62 | 2.86 | .30 | .59 | ? | .00 | .00 | .52 | .00 | 3.94 | 8.29 | 21.79 | 15.72 |
| Galt | 3.97 | .46 | 3.14 | .40 | .39 | .35 | .00 | .00 | .92 | .00 | 3.87 | 3.14 | 16.64 | 15.34 |
| Elmira | 4.81 | 1.49 | 3.92 | T. | .45 | .19 | .00 | .00 | .08 | .00 | .28 | 4.47 | 15.69 | 16.51 |
| Suisun | 4.30 | 1.58 | 3.97 | .00 | .65 | .30 | .00 | .00 | .70 | .00 | 3.88 | 4.48 | 19.86 | 18.32 |
| South Vallejo | 4.52 | 1¼? | .62 | .00 | .45 | .16 | .00 | .00 | .40 | .00 | 3.12 | 3.01 | 13.53 | 14.90 |
| Benicia Barracks | 5.84 | .47 | 4.32 | T. | .33 | .38 | .01 | .00 | .90 | .00 | 2.92 | 3.82 | 18.99 | 15.94 |
| Angel Island | 5.36 | .30 | 1.18 | .04 | .13 | .13 | T. | .00 | 1.15 | T. | 2.84 | 4.61 | 15.74 | 22.66 |
| Point Bonita Lighthouse | 6.96 | 1.46 | 3.85 | .28 | .63 | .45 | .00 | .00 | 1.94 | .40 | 5.52 | 6.73 | 28.22 | 25.09 |
| Martinez | 4.24 | 1.65 | 3.54 | .00 | .10 | .15 | .00 | .00 | .65 | .00 | 3.06 | 2.91 | 16.30 | 16.75 |

CALIFORNIA'S RAINFALL FOR 1888—Continued.

| STATIONS. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Normal or Average Precipi'tion. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antioch | 2.84 | 1.24 | 2.05 | .00 | .50 | .00 | .00 | .00 | .70 | .00 | 1.82 | 2.88 | 12.03 | 11.07 |
| Brentwood | 4.24 | .40 | 2.28 | .02 | .59 | .00 | .00 | .00 | .82 | .00 | 3.71 | 1.72 | 13.78 | 11.05 |
| East Brother Lighthouse | 2.15 | .24 | .87 | .00 | .05 | .06 | .00 | .00 | .70 | .00 | 3.40 | 2.50 | 9.97 | 7.31 |
| Byron | 2.67 | 1.25 | 1.77 | .00 | .75 | .00 | .00 | .00 | .59 | .00 | 4.49 | 1.81 | 13.33 | 12.11 |
| Walnut Creek | 4.35 | .90 | .65 | .08 | .00 | .00 | .00 | .00 | .40 | .00 | 3.00 | 2.34 | 11.72 | -------- |
| Niles | 4.10? | .30 | 2.83 | .23 | .60 | .50 | .00 | .00 | .42 | .00 | 3.70 | 2.30 | 14.98 | 17.05 |
| Livermore | 3.20 | .94 | 2.54 | .60 | .66 | .30 | .00 | .00 | .64 | .00 | 3.80 | 2.21 | 14.89 | 13.69 |
| Pleasanton | 3.23 | .88 | 2.25 | .20 | .50 | .27 | .00 | .00 | .62 | .00 | 5.15 | 1.85 | 14.95 | 17.85 |
| Centerville | 3.99 | 1.80 | 3.07 | .15 | .78 | .40 | .00 | .00 | .39 | .07 | 3.87 | 2.53 | 17.05 | 16.15 |
| Berkeley | 5.84 | 1.92 | 4.50 | 1.95 | .42 | .43 | .05 | .00 | .59 | .02 | 2.71 | 3.79 | 22.22 | -------- |
| Stockton | 3.00 | .58 | 1.74 | .55 | .54 | .00 | .00 | .00 | .31 | .00 | 2.66 | 2.71 | 12.09 | 11.96 |
| Farmington | 3.82 | .15 | 3.52 | .07 | .92 | .00 | T. | .00 | .66 | .00 | 2.93 | 1.75 | 13.82 | 14.78 |
| Tracy | 1.99 | .84 | .61 | .00 | .54 | .19 | .00 | .00 | .35 | .00 | 2.85 | 1.71 | 9.08 | 9.15 |
| Lathrop | 2.46 | .41 | 1.09 | .49 | .72 | .00 | .00 | .00 | .78 | .00 | 2.60 | 3.21 | 11.76 | 11.64 |
| LaGrange | 2.84 | .66 | 2.63 | .17 | .52 | T. | .04 | T. | .32 | .00 | 3.29 | 3.67 | 14.14 | 16.21 |
| Modesto | 1.72 | .53 | 1.36 | .25 | .69 | .10 | .00 | .00 | .51 | .00 | 1.86 | 1.40 | 8.42 | 9.20 |
| Turlock | 2.19 | .19 | 1.11 | .18 | .52 | .00 | T. | .00 | .82 | .00 | 2.75 | 1.28 | 9.04 | 9.53 |
| Farallone Islands | 3.20 | .53 | 2.59 | .00 | .05 | .16 | .00 | .00 | .35 | .05 | 3.30 | 4.56 | 14.79 | 17.91 |
| Yerba Buena Lighthouse | 5.10 | 1.29 | 2.92 | .00 | .41 | .05 | .00 | .00 | .06 | .00 | 2.47 | 3.13 | 15.43 | 16.95 |
| San Mateo | 4.75 | 1.21 | 3.97 | .13 | .67 | .08 | .00 | .00 | 1.03 | .00 | 4.16 | 4.04 | 20.02 | 22.75 |
| Menlo Park | 3.17 | 1.36 | 2.31 | .02 | .37 | .09 | .00 | .00 | .98 | .00 | 3.72 | 2.59 | 14.61 | 14.42 |
| Point Montara Lighthouse | 5.63 | 1.56 | 4.59 | .01 | .43 | .53 | .00 | .00 | .95 | .21 | 4.30 | 6.19 | 24.40 | 23.49 |
| Pigeon Point Lighthouse | 5.49 | 1.04 | 3.80 | .00 | 1.52 | .26 | .00 | .00 | .00 | .00 | ------- | ------- | ------- | 16.22 |
| Año Nueva Lighthouse | 7.22 | .84 | 4.72 | .08 | .98 | .30 | .00 | .00 | .05 | .00 | 4.55 | 4.25 | 22.99 | 21.10 |
| Santa Cruz | 8.00 | 1.93 | 4.61 | .57 | 1.08 | .09 | .00 | .00 | .37 | .00 | 6.17 | 5.07 | 27.89 | 24.87 |
| Aptos | 5.85 | 1.59 | 5.32 | .50 | .79 | .25 | .00 | .00 | .45 | .00 | 5.75 | 4.31 | 24.81 | 21.47 |
| San José | 3.06 | 1.06 | 3.00 | .31 | .60 | .22 | .00 | .00 | .60 | .00 | 3.88 | 2.44 | 15.17 | 15.35 |
| Gilroy | 5.35 | .77 | 3.92 | .40 | .44 | .00 | .00 | .00 | .32 | .00 | 3.71 | 2.10 | 17.01 | 19.18 |
| Los Gatos | 5.73 | 1.47 | 6.74 | .07 | 1.00 | .38 | .00 | .00 | .59 | 6.19 | 3.88 | 4.40 | 30.45 | -------- |
| Santa Clara | 3.08 | 1.68 | 3.10 | .12 | 1.28 | .18 | .00 | .00 | .58 | .00 | 4.37 | 3.00 | 17.39 | 13.93 |
| Evergreen | 2.61 | 1.44 | 3.32 | .08 | .81 | .24 | .00 | .00 | .57 | .00 | 2.82 | 2.07 | 13.96 | -------- |
| Merced | 1.50 | .15 | 1.68 | .28 | .65 | .10 | .00 | .00 | .50 | .00 | 2.40 | 2.12 | 9.38 | 10.73 |
| Los Banos | 1.83 | .06 | 1.33 | .00 | .19 | T. | T. | T. | .60 | .00 | 2.99 | 1.92 | 8.92 | 7.23 |
| Livingston | 2.79 | .29 | 2.57 | .26 | .22 | .00 | .00 | .00 | ? | .00 | 3.80 | 2.10 | 12.03 | 8.10 |
| Athlone | 2.29 | .15 | 1.70 | .30 | .60 | .00 | .00 | .00 | .25 | .00 | 2.56 | 1.59 | 10.10 | 9.49 |
| Lemoore | 1.89 | .00 | 1.28 | .00 | .88 | .00 | .00 | .00 | .00 | .00 | 2.04 | .96 | 7.05 | 9.05 |
| Kingsburg | 2.29 | .29 | 1.64 | .00 | .21 | .00 | .00 | .00 | .08 | .00 | 1.78 | 1.83 | 8.12 | 8.90 |
| Selma | 2.40 | T. | 1.57 | .10 | .31 | .00 | .00 | .00 | .10 | .00 | 1.46 | 1.88 | 7.82 | 7.78 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bishop Creek | 1.25 | .47 | .92 | .05? | .00 | .35 | .20 | .00 | .00 | .00 | 1.72 | .40 | 5.69 | 2.94 |
| Keeler | .70 | 1.21 | .30 | .12 | .30 | .20 | .17 | .10 | .06 | .00 | 1.68 | .82 | 5.66 | 3.67 |
| Hollister | 2.61 | .97 | 2.75 | .40 | .80 | .02 | .00 | .00 | .20 | .00 | 2.20 | 2.00 | 11.95 | 11.52 |
| Monterey | 3.95 | 1.09 | 3.29 | .23 | .81 | .00 | .09 | .00 | .65 | .00 | 1.76 | 2.76 | 14.54 | 14.45 |
| Soledad | 2.86 | .88 | 2.10 | .15 | .35 | .00 | .00 | .00 | .25 | .00 | 2.03 | 1.73 | 10.35 | 8.75 |
| Pajaro | 4.59 | .91 | 4.27 | .47 | .58 | T. | .00 | .00 | .79 | .00 | 3.29 | 2.80 | 17.70 | 18.13 |
| Jolon | 5.64 | .16 | 4.81 | .00 | .37 | .01 | T. | .00 | .60 | .00 | 5.64 | 4.48 | 21.71 | 20.26 |
| Traver | | | | T. | .11 | .00 | .00 | .00 | .18 | .00 | 2.33 | 2.20 | | |
| Goshen | 2.11 | .19 | 1.33 | .12 | .29 | .00 | .00 | .00 | .16 | .00 | 2.25 | 1.12 | 7.57 | 7.78 |
| Tulare | 1.14 | .19 | 1.14 | .00 | 1.11 | .00 | .00 | .00 | .18 | .00 | 1.66 | 1.38 | 6.81 | 6.77 |
| Lewis Creek | 4.09 | .46 | 2.29 | .10 | .13 | .00 | ? | .00 | .07 | .00 | 2.57 | 2.87 | 12.58 | 11.93 |
| Templeton | 6.05 | .32 | 5.00 | .38 | .34 | .04 | .00 | .00 | .07 | .00 | 4.53 | 3.20 | 19.93 | |
| San Ardo | 3.44 | .28 | 2.91 | .11 | .27 | .00 | .00 | .00 | .00 | .00 | 3.24 | 2.31 | 12.46 | |
| Steeles | 8.60 | .49 | 3.44 | .36 | .46 | .00 | .00 | .00 | .05 | .00 | 5.45 | 3.35 | 22.20 | |
| Delano | 2.21 | .10 | .94 | .00 | .15 | .00 | .00 | .00 | .00 | .00 | 1.51 | 1.19 | 6.10 | 5.44 |
| Caliente | .87 | 1.14 | 1.50 | .00 | .81 | .00 | .00 | .00 | .00 | .00 | 1.33 | 2.18 | 7.83 | 10.67 |
| Keene | 1.30 | 1.70 | 2.69 | .78 | 2.03 | .00 | .68 | .00 | .00 | .00 | 1.28 | 2.29 | 12.75 | 13.32 |
| Tehachapi | 2.57 | 2.60 | 2.57 | 1.25 | .25 | .00 | .00 | .00 | .00 | .00 | ? | 3.65 | | 11.43 |
| Mojave | 2.61 | 1.50 | 1.75 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 2.18 | 2.23 | 10.27 | 4.22 |
| Colton | 4.89 | .42 | 3.68 | .43 | .00 | .00 | .00 | .00 | .00 | .00 | 2.37 | 3.26 | 15.05 | 9.53 |
| Ravenna | 2.57 | .82 | 3.19 | .00 | .00 | .00 | .00 | T. | .00 | .75 | 2.35 | 2.90 | 12.58 | 11.83 |
| Newhall | 6.74 | 1.17 | 4.21 | .29 | .01 | .00 | .00 | .00 | .00 | .40 | 3.69 | 5.64 | 22.18 | 14.90 |
| San Fernando | 5.09 | 1.39 | 3.40 | .44 | .00 | .00 | .00 | .00 | .00 | .36 | 3.23 | 5.40 | 19.31 | 14.80 |
| Cahuenga Valley | 7.55 | 1.13 | 3.67 | .15? | .08 | .00 | .00 | .00 | .00 | .71 | 4.38 | 6.47 | 24.14 | 18.55 |
| Anaheim | 6.29 | .92 | 5.90 | T. | .00 | .00 | .00 | .00 | .00 | T. | 3.75 | 4.19 | 21.06 | 10.84 |
| Santa Monica | 6.98 | .00 | 6.95 | .00 | .00 | .00 | .00 | .00 | .00 | .58 | 5.09 | 6.49 | | |
| Spadra | 6.23 | .98 | 3.45 | .00 | .00 | .00 | .00 | .00 | .00 | .25 | 1.50 | 3.48 | 15.89 | 12.27 |
| Downey | 5.33 | .82 | 5.52 | .11 | .02 | .00 | .00 | .00 | .00 | .01 | 2.94 | 4.75 | 19.50 | 12.77 |
| Santa Maria | 4.62 | .43 | 2.55 | .12 | .14 | T. | T. | .00 | T. | T. | 2.59 | 5.86 | 16.31 | 14.94 |
| Point Concepcion | 6.49 | .90 | 3.65 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 1.23 | 3.06 | 15.03 | 11.40 |
| Indio | .75 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 1.10 | 1.11 | 2.96 | 1.90 |
| Mammoth Tank | .05 | .07 | .05 | .03 | .01 | .00 | .40 | .00 | .00 | .43 | .73 | .87 | 2.63 | 1.99 |
| Elsinore | 6.09 | .80 | .09 | 5.87 | ? | .00 | .20 | .00 | .06 | .09 | 2.93 | 5.37 | 22.10 | |

The following record shows the average rainfall for each month in the year, along with the yearly average, and the greatest amount that has ever been precipitated during any season, as also the least amount. This data is taken from a report published by General A. W. Greeley, the Chief Signal Officer, entitled "Rainfall in California, etc., for from Two to Forty Years." All stations in California will be found in the tabulated statement below, numbering over two hundred and forty different stations, and is valuable, because it is an average obtained from many years of observation:

| Name of Station. | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Average | Greatest Seasonal Precipitation | Least Seasonal Precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Camp Lincoln | 16.87 | 6.68 | 11.20 | 7.16 | .92 | 3.15 | .02 | .05 | .30 | 1.82 | 9.48 | 15.58 | 73.23 | | |
| Crescent City | 13.69 | 10.44 | 6.29 | 8.58 | 2.75 | 2.31 | .65 | .08 | 3.49 | 10.22 | 11.37 | 18.90 | 88.77 | 113.45 | 69.72 |
| Fort Terward | 9.97 | 8.78 | 4.51 | 6.07 | 3.63 | .18 | 2.42 | .71 | 4.57 | 4.52 | 12.71 | 11.52 | 69.59 | | |
| Yreka | 3.19 | 1.75 | 1.55 | 1.04 | .83 | .39 | .26 | .08 | .37 | 1.46 | 1.77 | 2.52 | 15.21 | 22.48 | 10.53 |
| Scott Valley | 4.84 | 2.93 | 2.52 | 1.84 | .98 | .46 | .49 | .20 | .50 | 1.24 | 3.15 | 4.96 | 24.11 | 40.96 | 13.05 |
| Fort Jones | 2.88 | 4.10 | 2.77 | 1.25 | 1.21 | .69 | .06 | .07 | .20 | 1.39 | 2.59 | 4.39 | 21.60 | 32.03 | 18.89 |
| Berryvale | 3.67 | 2.00 | 5.94 | 3.90 | .30 | .00 | .00 | .00 | 1.19 | 3.48 | 3.27 | 5.09 | 28.84 | | |
| Almaden | 1.52 | 8.60 | .92 | 1.60 | .00 | .00 | .00 | .00 | .20 | .05 | .60 | .80 | 14.29 | | |
| Fort Bidwell | 4.24 | 2.71 | 2.25 | 1.68 | 1.37 | 1.13 | .31 | .20 | .38 | .96 | 2.08 | 3.46 | 20.77 | 37.20 | 12.24 |
| Little Hot Springs | 5.53 | 2.81 | 3.00 | 1.73 | 1.51 | .76 | .79 | 1.60 | .00 | 2.81 | 4.45 | 2.14 | 27.13 | | |
| Fort Gaston | 10.56 | 7.99 | 7.50 | 4.70 | 1.74 | .75 | .12 | .11 | .89 | 2.67 | 7.69 | 10.70 | 55.42 | 125.36 | 31.72 |
| Blue Lake | 12.66 | 7.34 | 3.98 | 8.14 | 2.08 | 1.04 | .47 | T. | 2.08 | 1.91 | 16.68 | 20.08 | 76.46 | | |
| Arcata | 5.85 | 6.07 | 3.08 | 7.38 | 1.32 | .00 | .00 | .00 | .00 | 3.19 | 1.77 | 9.03 | 37.69 | | |
| Fort Humboldt | 5.78 | 5.96 | 5.30 | 2.82 | 1.24 | .47 | .19 | .07 | .58 | 1.78 | 4.13 | 7.59 | 35.91 | 47.43 | 23.11 |
| Humboldt Lighthouse | 6.28 | 4.64 | 4.46 | 3.56 | 1.08 | .36 | .03 | .04 | .62 | 2.07 | 4.04 | 5.84 | 33.02 | 48.76 | 20.62 |
| Hydesville | 5.91 | 3.76 | 3.47 | 5.73 | .93 | .54 | .14 | .01 | .87 | 1.69 | 5.68 | 8.42 | 37.15 | 55.70 | 26.81 |
| Cape Mendocino | 2.68 | 1.89 | 1.90 | 3.15 | .74 | .58 | .31 | .28 | .91 | 1.88 | 2.52 | 2.76 | 19.60 | 27.74 | 11.94 |
| Orleans | 8.66 | 3.78 | 2.10 | 5.76 | 1.02 | .46 | .32 | .00 | .08 | 1.82 | 9.49 | 11.16 | 44.65 | | |
| Weaverville | 8.21 | 5.75 | 4.72 | 3.83 | 1.75 | .93 | .13 | .05 | .54 | 2.85 | 5.95 | 7.74 | 42.45 | 65.22 | 24.72 |
| Fort Crook | 3.16 | 3.33 | 3.52 | 1.59 | 1.25 | .57 | .25 | .01 | .39 | 1.06 | 2.81 | 5.38 | 23.32 | 40.36 | 13.19 |
| Delta | 6.65 | 3.56 | 7.03 | 8.66 | 4.55 | 2.03 | .05 | .00 | .02 | 4.54 | 6.70 | 9.21 | 53.00 | 75.24 | 33.30 |
| Reed's Camp | 12.40 | 7.48 | 11.45 | 10.88 | 3.75 | 1.95 | .06 | .00 | .57 | 5.63 | 3.72 | 12.06 | 69.95 | 95.46 | 55.27 |
| Redding | 7.07 | 4.98 | 3.91 | 3.66 | 1.45 | .45 | .05 | .06 | .37 | 1.89 | 3.62 | 6.74 | 34.25 | 59.92 | 8.78 |
| Fort Redding | 4.88 | 3.27 | 3.91 | 3.92 | 2.85 | .31 | T. | .06 | .16 | .69 | 3.20 | 5.78 | 29.03 | 40.63 | 16.07 |
| Red Bluff | 5.97 | 3.87 | 2.54 | 2.18 | .78 | .37 | T. | .05 | .41 | 1.22 | 2.84 | 3.76 | 23.99 | 61.65 | 13.52 |
| Tehama | 2.70 | 2.37 | 1.64 | 1.37 | .54 | .24 | .05 | .06 | .18 | .74 | 1.91 | 2.12 | 13.92 | 29.82 | 5.16 |
| Corning | 3.16 | 2.90 | 2.09 | 2.08 | .44 | .02 | | | .23 | .94 | 1.25 | 2.06 | 15.17 | | |
| Meadow Valley | 7.41 | 6.05 | 6.21 | 3.20 | 1.99 | 1.09 | 2.40 | 1.13 | 1.53 | 2.41 | 12.10 | 11.52 | 57.04 | | |
| Mumford Hill | 13.08 | 12.33 | 10.71 | 7.56 | 2.96 | .57 | .14 | .32 | .69 | 2.23 | 4.10 | 11.12 | 65.81 | 80.45 | 59.01 |
| Camp Wright | 8.92 | 6.50 | 5.22 | 1.95 | .77 | .22 | .01 | .02 | .40 | 1.20 | 6.53 | 11.41 | 43.15 | 69.87 | 19.86 |
| Laytonville | 6.73 | 2.45 | 3.29 | 4.98 | .24 | .34 | .92 | .00 | .34 | 1.06 | 7.10 | 10.16 | 37.61 | 40.55 | 34.98 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Westport | 4.40 | 3.54 | 2.52 | 4.57 | 1.38 | .31 | .05 | T. | .88 | 2.38 | 10.37 | 7.44 | 37.84 | | | |
| Mendocino | 9.90 | 8.90 | 7.36 | 4.77 | 1.31 | .39 | .08 | .05 | .45 | 2.60 | 5.51 | 7.96 | 49.28 | 80.97 | 29.19 | |
| Ukiah | 6.88 | 4.78 | 4.57 | 3.52 | .98 | .12 | .00 | .01 | .48 | 1.43 | 3.94 | 6.21 | 32.92 | 54.88 | 19.88 | |
| Point Arenas | 5.90 | 5.16 | 4.84 | 3.23 | .82 | .22 | .01 | .01 | .32 | 1.73 | 3.55 | 4.74 | 30.53 | 53.24 | 17.35 | |
| Orland | 1.98 | 2.05 | 2.07 | 1.79 | .66 | .34 | .00 | T. | .19 | .64 | 2.05 | 3.30 | 15.07 | | | |
| Willows | 1.99 | 1.37 | 1.30 | 1.89 | .39 | .12 | T. | .01 | .13 | .59 | 1.46 | 2.51 | 11.76 | 18.84 | 6.47 | |
| Princeton | 2.98 | 2.22 | 1.67 | 1.53 | .55 | .45 | .09 | .08 | .08 | .25 | 1.02 | 2.60 | 13.52 | 26.30 | 10.20 | |
| Little Stony | 2.50 | 1.04 | .55 | 2.63 | .00 | .58 | .00 | .00 | .00 | .27 | 13.29 | 3.51 | 24.37 | | | |
| Colusa | 3.67 | 2.82 | 1.86 | 1.54 | .45 | .37 | .04 | .02 | .19 | 1.04 | 1.82 | 3.17 | 16.99 | 32.84 | 9.20 | |
| Foutz Springs | 5.64 | 4.04 | 2.93 | 4.68 | .25 | T. | .00 | .00 | .00 | .45 | 9.81 | 3.84 | 31.64 | | | |
| Williams | 2.55 | 1.75 | 1.34 | 1.51 | .39 | .46 | .00 | .01 | .13 | .43 | 1.15 | 1.99 | 11.71 | 21.64 | 3.94 | |
| College City | 2.30 | 0.91 | 3.01 | 1.62 | .08 | 1.12 | .00 | T. | .37 | .80 | 3.07 | 2.30 | 15.58 | | | |
| Cantaloupe Valley | 5.16 | 2.71 | 3.07 | 2.19 | .82 | .24 | .00 | .00 | .25 | .54 | 3.02 | 4.92 | 22.92 | | | |
| Chico | 3.92 | 3.57 | 2.28 | 1.73 | .71 | .34 | .03 | .03 | .27 | 1.02 | 2.39 | 3.77 | 20.06 | 34.72 | 12.91 | |
| Cherokee | 8.37 | 7.55 | 7.95 | 3.37 | 1.47 | .60 | .11 | .06 | .51 | 2.95 | 5.40 | 6.59 | 44.93 | 63.26 | 28.35 | |
| Oroville | 3.49 | 3.11 | 1.25 | 2.42 | .29 | .10 | T. | T. | .57 | .80 | 3.34 | 9.46 | 24.83 | 31.21 | 18.46 | |
| Cherokee Reservoir | 13.35 | 9.95 | 11.69 | 3.78 | 2.06 | .72 | .30 | .23 | .54 | 4.08 | 7.80 | 5.77 | 60.27 | 78.78 | 42.34 | |
| Smartsville | 7.11 | 5.70 | 4.48 | 3.16 | .88 | .44 | .05 | .00 | .11 | 1.50 | 3.74 | 5.01 | 32.18 | 46.78 | 17.99 | |
| Marysville | 3.28 | 2.46 | 1.84 | 1.63 | .59 | .25 | .01 | .01 | .19 | .89 | 1.74 | 3.33 | 16.22 | 26.86 | 6.65 | |
| North Bloomfield | 9.37 | 7.81 | 7.58 | 5.73 | 2.04 | .64 | .12 | .02 | .60 | 2.90 | 5.84 | 9.83 | 52.48 | 74.52 | 27.87 | |
| Bowman's Dam | 14.00 | 11.07 | 10.77 | 7.78 | 2.59 | .83 | .20 | .02 | .71 | 3.65 | 7.94 | 14.00 | 73.56 | 102.22 | 44.37 | |
| Boca | 4.26 | 3.43 | 2.68 | 1.51 | .40 | .13 | .24 | T. | .02 | .57 | .91 | 2.72 | 16.87 | 23.40 | 8.05 | |
| Truckee | 5.98 | 5.84 | 4.16 | 2.67 | 1.05 | .39 | .21 | .02 | .07 | 1.24 | 2.11 | 4.35 | 28.09 | 47.21 | 13.88 | |
| Nevada City | 10.93 | 7.68 | 8.57 | 5.14 | 2.06 | .60 | .04 | .03 | .54 | 1.82 | 6.77 | 12.09 | 56.27 | 115.26 | 17.28 | |
| Grass Valley | 10.03 | 7.10 | 7.57 | 5.61 | 1.90 | .62 | .05 | .01 | .69 | 2.81 | 6.06 | 8.17 | 50.62 | 65.32 | 30.23 | |
| Middletown | 7.78 | 3.44 | 4.79 | 6.97 | 1.23 | .51 | .00 | .00 | .49 | 1.43 | 4.94 | 10.41 | 41.99 | 52.04 | 28.43 | |
| Kono Tayee | 4.86 | 3.34 | 3.68 | 1.16 | .52 | .29 | .00 | .01 | .19 | 1.02 | 4.21 | 2.53 | 21.81 | 31.96 | 12.08 | |
| West Butte | 2.50 | 1.13 | 2.18 | 2.57 | .85 | .32 | .00 | .00 | .32 | .73 | 1.83 | 2.67 | 15.10 | 19.80 | 12.13 | |
| Nicolaus | 3.52 | 2.88 | 2.60 | 3.12 | .60 | .13 | .00 | T. | .22 | .90 | 1.98 | 3.28 | 19.23 | 26.76 | 8.93 | |
| Summit | 8.39 | 8.96 | 6.78 | 5.77 | 1.68 | .62 | .08 | .01 | .19 | 2.34 | 2.82 | 7.32 | 44.96 | 87.99 | 23.34 | |
| Emigrant Gap | 10.18 | 9.50 | 8.77 | 5.65 | 2.47 | .74 | .02 | .01 | .32 | 2.45 | 3.25 | 8.13 | 51.49 | 85.17 | 18.64 | |
| Cisco | 10.83 | 10.74 | 8.79 | 5.22 | 2.36 | .79 | .11 | .00 | .28 | 2.17 | 4.56 | 9.25 | 55.10 | 80.46 | 34.00 | |
| Alta | 8.56 | 7.26 | 6.92 | 3.67 | 1.38 | .51 | T. | .00 | .34 | 2.17 | 4.81 | 6.52 | 42.14 | 69.70 | 17.24 | |
| Colfax | 8.36 | 6.77 | 6.28 | 4.97 | 1.63 | .52 | .00 | .00 | .32 | 1.74 | 5.06 | 7.67 | 43.33 | 60.06 | 27.61 | |
| Auburn | 6.13 | 5.23 | 4.49 | 3.76 | 1.18 | .36 | .02 | .01 | .34 | 1.42 | 3.49 | 5.94 | 32.37 | 44.87 | 17.50 | |
| Rocklin | 3.95 | 2.97 | 2.56 | 2.10 | .65 | .22 | .02 | .01 | .10 | .80 | 1.74 | 3.59 | 18.71 | 26.06 | 10.26 | |
| Dunnigan | 3.52 | 2.22 | 2.08 | 1.89 | .63 | .28 | .00 | .00 | .15 | .61 | 1.56 | 2.80 | 15.74 | 29.50 | 3.48 | |
| Knights Landing | 2.11 | 2.57 | 1.88 | 2.47 | .64 | .21 | .00 | T. | .11 | .39 | 1.48 | 2.50 | 14.36 | 24.08 | 9.67 | |
| Woodland | 3.36 | 2.48 | 2.07 | 1.84 | .54 | .15 | .01 | .00 | .08 | .54 | 1.17 | 2.98 | 15.22 | 25.32 | 5.13 | |
| Davisville | 3.23 | 2.23 | 1.83 | 1.60 | .38 | .15 | .01 | T. | .10 | .62 | 1.52 | 3.75 | 15.42 | 24.50 | 8.66 | |
| Georgetown | 11.09 | 8.52 | 8.78 | 7.20 | 2.30 | .82 | .06 | T. | .46 | 3.47 | 6.18 | 9.94 | 58.82 | 81.24 | 40.48 | |
| Placerville | 7.10 | 6.05 | 5.79 | 7.69 | 1.88 | .84 | T. | T. | .71 | 2.19 | 3.75 | 8.67 | 44.67 | 61.81 | 22.67 | |
| Shingle Springs | 7.72 | 3.71 | 5.14 | 3.19 | 1.13 | .19 | .19 | .00 | .23 | .78 | 4.46 | 7.52 | 34.26 | 81.80 | 17.18 | |
| Healdsburg | 5.52 | 9.31 | 2.28 | .95 | .39 | .08 | .00 | .02 | .24 | .11 | 1.81 | 15.22 | 35.93 | | | |
| Sonoma | 4.89 | 6.02 | 1.15 | 3.54 | .29 | .00 | T. | .00 | T. | .95 | 6.83 | 3.41 | 27.08 | | | |

RAINFALL FOR EACH MONTH IN THE YEAR, ETC.—Continued.

| NAME OF STATION. | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Average | Greatest Seasonal Precipitation | Least Seasonal Precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Petaluma | 4.75 | 3.82 | 2.51 | 2.11 | .53 | .27 | T. | T. | .12 | .95 | 2.50 | 4.23 | 21.79 | 39.17 | 12.75 |
| Calistoga | 6.83 | 5.20 | 4.29 | 3.11 | .79 | .31 | .00 | .00 | .23 | 1.78 | 3.06 | 4.89 | 30.49 | 50.20 | 7.33 |
| Napa City | 5.36 | 3.82 | 2.89 | 2.48 | .76 | .27 | .01 | .00 | .43 | .67 | 1.78 | 3.62 | 22.09 | 33.64 | 9.30 |
| Knoxville | 4.06 | 8.09 | 11.72 | 6.19 | .16 | .00 | .00 | .00 | .00 | 1.92 | .85 | 1.54 | 34.53 | ------ | ------ |
| Folsom | 4.48 | 3.28 | 3.14 | 2.91 | .84 | .72 | .02 | T. | .20 | 1.09 | 2.63 | 4.59 | 23.90 | 35.04 | 9.90 |
| Sacramento | 3.71 | 2.77 | 2.95 | 1.90 | .67 | .12 | .03 | T. | .12 | .66 | 2.12 | 4.53 | 19.41 | 30.36 | 4.71 |
| Camp Far West | 6.92 | 1.26 | 12.70 | 4.46 | .86 | .00 | .00 | .00 | 2.30 | .10 | 3.96 | 8.64 | 41.20 | ------ | ------ |
| Brighton | 2.83 | 3.16 | 2.52 | 2.89 | .52 | .20 | .00 | .00 | .12 | .61 | 1.46 | 2.22 | 16.53 | 24.42 | 9.22 |
| Galt | 2.76 | 2.44 | 2.37 | 2.31 | .74 | .18 | .00 | .00 | .09 | .77 | 1.27 | 2.44 | 15.37 | 19.35 | 9.61 |
| Ione | 2.88 | 3.28 | 3.06 | 3.39 | .81 | .30 | .00 | .00 | .18 | .91 | 1.67 | 2.86 | 19.34 | 29.73 | 13.04 |
| Sutter Creek | 6.56 | 4.91 | 4.90 | 4.78 | 1.33 | .44 | .03 | .02 | .26 | 1.80 | 3.88 | 4.28 | 33.19 | ------ | ------ |
| Jackson | 5.18 | 4.69 | 4.88 | 5.17 | 1.24 | .32 | .00 | .00 | .42 | 1.66 | 3.04 | 4.86 | 31.46 | 37.90 | 21.20 |
| Winters | 5.95 | .14 | 1.77 | 3.90 | .16 | .00 | .00 | .00 | .00 | .00 | 8.74 | 4.74 | 25.40 | ------ | ------ |
| Elmira | 4.51 | 3.55 | .95 | 3.14 | .07 | .00 | .00 | .00 | .00 | .19 | .38 | 2.72 | 15.51 | ------ | ------ |
| Vacaville | 5.02 | 3.62 | 3.34 | 4.31 | 1.03 | .00 | .01 | .00 | .21 | 1.18 | 3.11 | 7.63 | 29.46 | 45.00 | 20.44 |
| Denverton | 4.33 | 2.29 | 2.53 | 1.87 | .56 | .29 | .01 | T. | .14 | .98 | 2.43 | 2.51 | 17.94 | ------ | ------ |
| Suisun and Fairfield | 4.20 | 2.78 | 2.32 | 1.74 | .53 | .26 | .00 | .00 | .26 | .69 | 1.90 | 4.67 | 19.35 | 31.50 | 6.98 |
| Rio Vista | 3.08 | 1.54 | 2.78 | 2.34 | .75 | .21 | .00 | .01 | .20 | .80 | 2.07 | 3.16 | 16.94 | ------ | ------ |
| South Vallejo | 3.04 | 2.23 | 2.42 | 2.19 | .47 | .18 | .00 | .00 | .10 | .65 | 1.55 | 2.69 | 15.52 | 26.16 | 7.48 |
| Bird's Landing | 2.68 | 1.78 | 3.19 | 1.21 | .00 | .00 | .00 | .01 | .05 | .84 | 3.72 | 1.36 | 14.84 | ------ | ------ |
| Benicia Barracks | 3.16 | 2.27 | 2.38 | 1.69 | .49 | .16 | .01 | .01 | .07 | 1.49 | 1.78 | 3.27 | 16.78 | 28.17 | 5.24 |
| Point Reyes | 4.29 | 3.24 | 3.94 | 4.06 | .76 | .20 | .00 | .00 | .30 | 1.37 | 3 81 | 6.12 | 28.09 | ------ | ------ |
| San Rafael | 8.69 | 4.96 | 5.45 | 3.94 | 1.19 | .40 | T. | .00 | .34 | 2.30 | 4.68 | 7.03 | 38.98 | 56.40 | 19.22 |
| Ross Valley | 7.81 | 2.91 | 6.44 | 6.30 | .16 | 1.40 | .00 | .00 | .17 | 1.84 | 5.51 | 10.55 | 43.09 | ------ | ------ |
| Sausalito | 3.91 | 2.18 | 3.50 | 3.71 | 1.06 | .60 | .02 | .00 | .26 | 1.65 | 4.21 | 5.13 | 26.23 | 32.86 | 19.62 |
| Angel Island | 4.61 | 3.28 | 2.81 | 2.33 | .47 | .24 | .01 | T. | .14 | 1.04 | 2.51 | 3.97 | 21.41 | 32.54 | 10.93 |
| Point Bonita | 5.04 | 3.83 | 3.89 | 2.49 | .97 | .39 | .03 | .00 | .25 | 1.70 | 3.15 | 3.73 | 25.47 | 38.74 | 16.28 |
| Alcatraz Island | 3.90 | 2.86 | 1.95 | 1.48 | .38 | .17 | .01 | .01 | .08 | .61 | 1.87 | 3.66 | 16.98 | 29.65 | 7.69 |
| Fort Point | 4.07 | 2.95 | 1.90 | 1.20 | .56 | .02 | .01 | .00 | .05 | .56 | 1.67 | 4.37 | 17.36 | ------ | ------ |
| San Francisco | 5.06 | 3.76 | 3.07 | 2.04 | .62 | .15 | .02 | .02 | .16 | .85 | 2.85 | 5.20 | 23.80 | 49.27 | 7.40 |
| Yerba Buena Island | 2.59 | 2.09 | 2.23 | 2.18 | .45 | .27 | .01 | T. | .23 | .88 | 1.82 | 3.40 | 16.15 | 27.30 | 6.13 |
| Presidio | 3.80 | 3.30 | 2.34 | 1.84 | .53 | .18 | .02 | .00 | .11 | .66 | 2.09 | 4.26 | 19.13 | 34.84 | 8.08 |
| Farallone Islands | 2.97 | 2.09 | 2.35 | 2.23 | .74 | .50 | .00 | .00 | .18 | 1.06 | 2.52 | 3.54 | 18.18 | 26.15 | 10.54 |
| Point San José | 3.03 | 2.68 | 1.52 | 1.08 | .38 | .09 | T. | .00 | .03 | .58 | 1.91 | 3.07 | 14.37 | ------ | ------ |
| Antioch | 1.66 | 1.52 | 1.69 | 1.46 | .39 | .13 | T. | T. | .07 | .42 | 1.29 | 1.10 | 9.73 | 18.35 | 5.69 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Martinez | 2.70 | 2.80 | 2.68 | 2.43 | .45 | .22 | .01 | .00 | .11 | .53 | 1.44 | 2.65 | 16.02 | 23.35 | 10.23 |
| East Brother Island | 1.71 | .99 | .86 | .74 | .26 | .11 | .00 | .00 | .04 | .30 | 1.45 | 1.01 | 7.47 | 11.36 | 4.56 |
| Brentwood | 2.08 | 1.55 | 1.61 | 1.68 | .27 | .23 | .00 | .00 | .06 | .32 | 1.21 | 1.75 | 10.76 | 16.76 | 6.77 |
| Mt. Diablo | 5.16 | 3.44 | .58 | .22 | .29 | .22 | .00 | .00 | .00 | .57 | 4.73 | 1.06 | 16.27 | 23.76 | 11.40 |
| Byron | 2.11 | 1.59 | 1.84 | 1.86 | .32 | .22 | .00 | .00 | T. | .49 | 1.31 | 2.28 | 12.02 | 18.25 | 7.34 |
| Farmington | 1.82 | 1.93 | 2.12 | 2.77 | .64 | .21 | .00 | T. | .16 | .68 | 1.21 | 2.15 | 13.69 | 23.34 | 2.44 |
| Stockton | 2.67 | 2.46 | 2.14 | 1.65 | .55 | .15 | .01 | .00 | .05 | .50 | 1.11 | 2.62 | 13.91 | 22.04 | 6.87 |
| Lathrop | 1.94 | 1.88 | 1.54 | 1.82 | .57 | .14 | T. | .00 | .08 | .38 | 1.19 | 1.65 | 11.19 | 16.35 | 5.41 |
| Ellis and Tracy | 1.63 | 1.44 | 1.23 | .97 | .24 | .15 | T. | .01 | .01 | .28 | 1.01 | 1.87 | 8.84 | 14.68 | 2.91 |
| Oakland | 4.71 | 3.46 | 3.35 | 2.38 | .67 | .44 | .03 | .02 | .22 | 1.35 | 2.73 | 3.71 | 23.07 | 32.72 | 12.29 |
| Livermore | 2.51 | 2.45 | 2.15 | 1.49 | .36 | .16 | T. | .01 | .12 | .51 | 1.43 | 2.62 | 13.81 | 22.75 | 6.01 |
| Pleasanton | 3.06 | 3.02 | 2.98 | 2.40 | .58 | .20 | T. | .01 | .08 | .73 | 1.58 | 2.85 | 17.49 | 23.98 | 9.81 |
| Niles | 3.09 | 2.99 | 2.17 | 1.69 | .59 | .23 | .00 | .00 | .10 | .73 | 2.06 | 3.23 | 16.88 | 26.25 | 7.45 |
| Midway | 2.52 | 2.11 | .50 | .39 | .06 | .00 | .00 | .00 | .00 | .20 | .29 | .55 | 6.62 | 10.95 | 2.24 |
| Calaveras Valley | 3.79 | 4.28 | 5.47 | 5.33 | 1.85 | .40 | .00 | .00 | .26 | 1.42 | 1.68 | 2.35 | 26.83 | 37.30 | 21.40 |
| Langworth | 2.38 | 1.16 | 2.98 | 2.84 | .12 | .24 | .00 | .00 | .16 | .79 | 2.30 | 2.55 | 15.52 | 22.75 | 9.47 |
| LaGrange | 2.86 | 2.83 | 2.40 | 1.87 | .65 | .07 | .00 | .00 | .16 | .85 | 2.05 | 2.80 | 16.54 | 25.87 | 5.74 |
| Modesto | 1.72 | 1.21 | 1.19 | 1.14 | .33 | .11 | .01 | .00 | .09 | .40 | 1.06 | 1.54 | 8.80 | 13.54 | 2.25 |
| Grayson | 2.21 | 1.77 | 1.62 | 1.22 | .44 | .17 | .00 | .00 | .01 | .47 | 1.22 | 2.70 | 11.83 | 23.51 | 4.05 |
| Turlock | 1.05 | 1.40 | 1.35 | 1.61 | .41 | .25 | .00 | .00 | .13 | .46 | 1.17 | 1.04 | 8.87 | 15.09 | 4.28 |
| Hills Ferry | 1.70 | 1.41 | 2.03 | 1.55 | .70 | .27 | .00 | .00 | .13 | .35 | 1.78 | 1.89 | 11.81 | 19.20 | 7.54 |
| San Mateo | 4.00 | 2.95 | 2.64 | 2.19 | .47 | .24 | T. | .00 | .12 | .92 | 1.92 | 2.95 | 18.40 | 27.49 | 7.34 |
| Crystal Springs | 7.77 | 6.54 | 7.14 | 4.07 | 1.36 | .51 | .03 | .00 | .29 | 1.95 | 3.19 | 5.29 | 38.14 | 55.59 | 17.15 |
| Menlo Park | 2.52 | 1.92 | 2.21 | 2.23 | .45 | .35 | .02 | T. | .05 | .43 | 1.31 | 2.80 | 14.29 | 20.25 | 9.72 |
| Woodside | 5.71 | 2.74 | 4.78 | 4.55 | .41 | 1.12 | .00 | .02 | .16 | 1.27 | 5.90 | 9.47 | 36.13 | 37.40 | 21.59 |
| Pigeon Point | 2.39 | 1.93 | 2.12 | 3.31 | 1.01 | .26 | .01 | .00 | .18 | .80 | 1.79 | 3.17 | 16.97 | 37.28 | 9.15 |
| Año Nuevo Island | 3.05 | 2.40 | 3.13 | 3.41 | .94 | .40 | .09 | .00 | .25 | 1.06 | 2.32 | 5.19 | 22.24 | 31.91 | 9.88 |
| San Andreas | 9.06 | 8.15 | 6.73 | 3.81 | 1.31 | .37 | .01 | .00 | .28 | 1.88 | 4.11 | 10.34 | 46.05 | 70.32 | 21.95 |
| Pilarcitos | 1.02 | 8.77 | 7.86 | 4.03 | 1.79 | .49 | .03 | T. | .39 | 2.01 | 6.09 | 12.35 | 54.83 | 81.79 | 23.07 |
| Point Montara | 3.87 | 2.41 | 3.80 | 3.37 | 1.02 | .45 | .01 | .00 | .29 | 1.10 | 3.29 | 4.79 | 24.40 | 33.57 | 8.62 |
| Mount Hamilton | 3.68 | 6.06 | 6.05 | 4.54 | 2.34 | 1.31 | .00 | .04 | .25 | 3.03 | 1.87 | 4.57 | 33.74 | 55.09 | 23.31 |
| Wrights | 7.91 | 4.48 | 2.60 | 11.32 | .00 | .00 | .00 | .00 | .00 | 1.32 | 8.45 | 4.74 | 40.82 | ------ | ------ |
| San José | 2.70 | 2.49 | 2.47 | 1.97 | .41 | .20 | T. | .00 | .10 | .53 | 1.16 | 1.78 | 13.81 | 21.17 | 4.99 |
| Santa Clara | 2.05 | 1.70 | 2.97 | 1.50 | .52 | .39 | .00 | .01 | .03 | .59 | 1.62 | 2.55 | 13.93 | 20.37 | 10.42 |
| Los Gatos | 6.41 | 5.60 | 1.68 | 3.59 | .15 | T. | .02 | .00 | .03 | .49 | 6.99 | 4.00 | 28.96 | ------ | ------ |
| Tennant | 2.99 | 3.63 | 4.01 | 3.03 | .93 | .21 | .00 | .03 | .09 | .62 | .74 | 3.96 | 20.24 | 29.95 | 15.08 |
| Gilroy | 5.07 | 2.95 | 2.76 | 2.05 | .40 | .13 | T. | .01 | .20 | .86 | 2.05 | 3.02 | 19.56 | 31.04 | 6.53 |
| Livingston | 1.72 | 1.22 | 1.13 | 2.13 | .00 | .00 | .00 | .00 | .08 | .08 | .53 | .46 | 7.35 | ------ | ------ |
| Central Point | 1.52 | 1.05 | 1.85 | 1.29 | .48 | .20 | T. | T. | .08 | .32 | 1.35 | 1.61 | 9.75 | 15.47 | 4.97 |
| Merced | 2.65 | 1.41 | 1.44 | 1.78 | .54 | .19 | .01 | .00 | .10 | .43 | 1.24 | 1.96 | 11.75 | 30.83 | 3.03 |
| Athlone | 1.62 | 1.81 | 1.50 | 2.40 | .00 | .12 | .00 | .00 | .29 | .16 | .58 | 1.00 | 9.48 | ------ | ------ |
| Los Banos | 1.61 | 1.08 | 1.20 | .77 | .28 | .13 | .02 | T. | .04 | .21 | 1.46 | .74 | 7.54 | ------ | ------ |
| Aptos | 3.81 | 3.27 | 1.76 | 3.50 | .20 | .00 | .04 | .00 | .18 | .58 | 3.15 | 5.57 | 22.06 | ------ | ------ |
| Santa Cruz | 6.18 | 3.98 | 3.18 | 3.03 | .51 | .34 | .01 | .01 | .32 | 1.36 | 3.53 | 3.79 | 25.24 | 36.41 | 16.48 |
| Watsonville | 4.85 | 4.74 | 2.14 | 1.76 | .59 | .00 | .00 | .00 | .10 | 1.17 | 1.75 | 7.43 | 24.53 | ------ | ------ |

RAINFALL FOR EACH MONTH IN THE YEAR, ETC.—Continued.

| NAME OF STATION. | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Average. | Greatest Seasonal Precipitation | Least Yearly Precipitation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Soquel | T. | T. | T. | T. | T. | T. | .00 | .00 | .00 | .00 | T. | T. | T. | | |
| Buchanan | 2.60 | 3.12 | 3.00 | 4.33 | .09 | .14 | .00 | .00 | .89 | .46 | .81 | 3.33 | 18.77 | 22.77 | 8.70 |
| Fort Miller | 1.65 | 1.76 | 4.28 | 1.91 | 1.05 | T. | T. | .00 | .03 | .28 | 2.63 | 5.40 | 19.00 | 45.68 | 8.88 |
| Hamptonville | 1.71 | 3.18 | 2.29 | 3.42 | .70 | .10 | .00 | .00 | .00 | 2.23 | 1.09 | 4.24 | 18.96 | | |
| Borden | 1.47 | 1.40 | 1.26 | 1.41 | .37 | .16 | .02 | .00 | .04 | .32 | 1.14 | 1.26 | 8.85 | 18.27 | 2.57 |
| Big Dry Creek | 3.84 | 3.36 | 3.17 | .45 | .22 | .11 | .05 | .00 | .02 | .67 | 1.47 | 3.23 | 16.59 | 21.58 | 4.78 |
| Firebaugh Ferry | 1.78 | 1.14 | 1.12 | .94 | .16 | .17 | T. | T. | .07 | .31 | 1.51 | 1.28 | 8.48 | 18.84 | 2.24 |
| Fresno | 1.30 | 1.21 | 1.21 | 1.64 | .30 | .13 | .00 | .00 | .12 | .39 | 1.21 | 1.28 | 8.79 | 16.62 | 4.87 |
| Kings River (Centerville) | 2.42 | 3.00 | 2.97 | 2.77 | .81 | .31 | .00 | T. | .06 | .92 | .83 | 2.30 | 16.39 | 31.91 | 11.03 |
| Kingsburg | .98 | 1.35 | 1.21 | 1.66 | .39 | .11 | .00 | .00 | .08 | .25 | .86 | 1.56 | 8.45 | 15.85 | 2.20 |
| New Idria | 2.18 | 2.43 | 5.56 | 3.54 | .76 | .85 | .01 | .00 | .08 | .55 | 2.09 | 3.21 | 21.26 | 33.61 | 11.44 |
| Hollister | 2.42 | 1.83 | 1.67 | 1.25 | .33 | .19 | .02 | T. | .09 | .55 | 1.32 | 1.49 | 11.16 | 18.12 | 4.69 |
| Pajaro | 4.13 | 2.91 | 2.65 | 1.85 | .43 | .20 | .01 | .01 | .13 | .90 | 1.80 | 2.88 | 17.90 | 28.01 | 5.53 |
| Salinas | 3.03 | 2.34 | 2.00 | 1.33 | .33 | .20 | .01 | .00 | .10 | .60 | 1.21 | 2.09 | 13.24 | 23.75 | 3.90 |
| Monterey | 2.13 | 2.18 | 3.03 | 1.81 | .41 | .22 | .04 | .01 | .86 | .57 | 1.44 | 2.52 | 14.42 | 21.45 | 9.16 |
| Chualar | 2.70 | 2.42 | 2.13 | 1.42 | .36 | .18 | .01 | .00 | .03 | .64 | 1.47 | 1.54 | 12.90 | | |
| Soledad | 2.03 | 1.68 | 1.58 | .78 | .24 | .12 | T. | .01 | .02 | .26 | .88 | 1.06 | 8.66 | 16.36 | 2.65 |
| Jolon | 3.68 | 3.56 | 3.36 | 2.27 | .67 | .15 | .00 | .06 | .10 | .78 | 3.26 | 2.17 | 20.06 | | |
| Gonzales | 1.73 | 1.78 | 1.70 | 1.16 | .30 | .16 | .00 | .00 | .03 | .47 | 1.04 | 1.66 | 10.03 | | |
| Kings City | .38 | 5.08 | .18 | .58 | .02 | .09 | .00 | .00 | .06 | .10 | .34 | .03 | 6.86 | | |
| Kingsburgh | 1.79 | 3.10 | 3.85 | 2.54 | .89 | .40 | .00 | .00 | .13 | .94 | .04 | .30 | 14.58 | 24.53 | 10.82 |
| Visalia | 1.25 | 1.55 | 1.15 | 1.62 | .30 | .02 | T. | T. | .04 | .44 | 1.02 | 1.86 | 9.25 | 13.10 | 3.95 |
| Goshen | .97 | 1.40 | 1.10 | 1.39 | .36 | .01 | .00 | .00 | .12 | .31 | .77 | 1.44 | 7.87 | 10.62 | 4.91 |
| Hanford | 1.71 | 1.62 | 1.81 | 1.72 | .27 | .24 | .00 | .01 | .04 | .45 | 1.62 | 2.10 | 11.59 | | |
| Lemoore | 1.49 | 1.13 | 1.09 | 1.50 | .26 | .20 | .00 | .00 | .04 | .25 | 1.12 | 1.41 | 8.49 | 15.25 | 1.07 |
| Tulare | 1.29 | 1.23 | .93 | 1.18 | .31 | .10 | .01 | .00 | .02 | .16 | .44 | .97 | 6.64 | 11.65 | 3.07 |
| Lewis Valley | 1.46 | 1.90 | 1.23 | 2.16 | 1.00 | .11 | T. | .00 | .03 | .39 | 1.15 | 2.19 | 11.62 | 24.82 | 6.35 |
| Bishop Creek | .09 | .53 | .48 | .23 | .14 | .09 | .00 | .00 | .10 | .04 | .02 | .30 | 2.02 | | |
| Camp Independence | 1.22 | .56 | .52 | .21 | .27 | .04 | .10 | .18 | .07 | .32 | .21 | 2.27 | 5.97 | 7.06 | 1.63 |
| Keeler | .25 | .54 | .24 | .64 | .41 | .22 | .17 | .10 | .27 | .27 | .18 | .38 | 3.67 | | |
| San Miguel | .52 | 5.96 | .12 | 1.40 | .24 | .26 | .00 | .00 | .58 | .37 | .49 | .22 | 10.15 | | |
| Paso Robles | .51 | 6.14 | .34 | 1.10 | .44 | .00 | .00 | .00 | .00 | .21 | .48 | .69 | 9.91 | | |
| San Luis Obispo | 4.68 | 3.75 | 2.81 | 2.05 | .35 | .14 | T. | T. | .03 | .72 | 1.95 | 4.53 | 21.01 | 42.40 | 8.15 |
| Port Harford | 2.86 | .48 | 1.21 | 1.84 | .00 | .00 | .00 | .00 | .00 | .00 | 13.62 | 4.12 | 24.13 | | |
| Delano | .74 | 1.22 | .85 | 1.17 | .63 | .02 | .00 | .00 | .01 | .17 | .49 | .92 | 6.22 | 11.52 | 1.41 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sumner | .83 | .94 | .67 | 1.09 | .33 | .10 | T. | .00 | .04 | .08 | .52 | .78 | 5.38 | 9.10 | 1.41 |
| Caliente | 1.36 | 1.99 | 1.52 | 2.30 | .81 | .17 | .01 | .00 | .02 | .46 | .80 | 1.49 | 10.93 | 18.15 | 3.16 |
| Tehachapi | 1.28 | 3.54 | 1.68 | 1.83 | .38 | .13 | .01 | .09 | .03 | .42 | .73 | 1.52 | 11.64 | 18.77 | 4.75 |
| Keene | 1.62 | 2.96 | 1.99 | 2.26 | .49 | .22 | .01 | T. | .06 | .68 | .92 | 1.90 | 13.11 | 24.25 | 5.23 |
| Mojave | .59 | 1.33 | .40 | .25 | .01 | T. | .06 | .00 | .03 | .10 | .37 | .91 | 4.05 | 9.96 | .00 |
| Fort Tejon | 1.29 | 1.69 | 1.84 | 2.37 | .96 | .21 | .01 | .16 | 2.02 | 1.00 | 1.02 | 4.32 | 16.89 | 32.97 | 11.97 |
| McClung Ranch | 1.02 | .94 | .66 | 1.05 | .20 | .02 | .00 | .00 | .01 | .14 | .11 | 1.49 | 5.64 | 6.25 | 5.21 |
| Camp Cady | .27 | .50 | .56 | .25 | .05 | T. | .34 | .65 | .00 | .05 | .40 | .15 | 3.22 | ..... | ..... |
| Daggett | .48 | 1.44 | 1.17 | 1.10 | .49 | .00 | .00 | .00 | .00 | .00 | .00 | .29 | 3.97 | ..... | ..... |
| Fenner | .15 | 1.30 | 1.25 | .15 | 1.09 | .05 | .00 | .00 | .03 | .00 | .00 | 2.40 | 6.45 | ..... | ..... |
| Needles | ..... | 1.86 | 2.08 | .10 | .75 | .00 | .00 | .00 | .06 | .00 | .00 | 1.32 | 6.17 | ..... | ..... |
| San Bernardino | 3.66 | 3.03 | 1.97 | 1.75 | .44 | .06 | .02 | .08 | .05 | .43 | 1.58 | 3.10 | 16.17 | 37.51 | 8.98 |
| Lugonia | 1.56 | 3.48 | 3.59 | 2.82 | 1.04 | .48 | .00 | .00 | .00 | .21 | .73 | 1.51 | 15.42 | ..... | ..... |
| Ontario | 2.15 | 6.07 | 2.71 | 2.50 | .40 | .42 | .00 | .00 | .00 | .12 | .94 | 3.05 | 18.36 | ..... | ..... |
| Colton | 1.36 | 2.36 | 1.42 | 1.55 | .57 | .08 | .00 | .02 | .00 | .25 | .50 | 1.20 | 9.31 | 23.35 | 5.43 |
| Rancho de Jurupa | .95 | 1.51 | 3.12 | .33 | 1.14 | .00 | .00 | .09 | .00 | .00 | 1.67 | 4.77 | 13.58 | ..... | ..... |
| Riverside | 1.12 | 1.97 | 1.93 | 1.16 | .43 | .12 | .00 | .60 | .02 | .27 | .37 | 1.38 | 9.37 | 22.54 | 2.94 |
| San Gargonio | 4.15 | 4.24 | 2.99 | 2.92 | .93 | .04 | .08 | .00 | .05 | .45 | .72 | 1.48 | 18.05 | ..... | ..... |
| Rings Station | 4.65 | 4.69 | 3.44 | 2.82 | .79 | .19 | .16 | .04 | .08 | .53 | 1.70 | 3.33 | 22.42 | 35.74 | 12.00 |
| Arroyo Grande | 2.40 | .77 | 1.05 | 1.78 | .00 | .00 | .00 | .00 | .00 | .00 | 12.38 | 4.13 | 22.51 | ..... | ..... |
| Santa Maria | .98 | 3.46 | .98 | 1.87 | .00 | .00 | .00 | .00 | .00 | .03 | 4.68 | 2.31 | 14.31 | ..... | ..... |
| Guadaloupe | 1.65 | 2.25 | 1.42 | 2.61 | .00 | .00 | .05 | .00 | .00 | .07 | 4.73 | 2.05 | 14.83 | ..... | ..... |
| Los Alamos | 1.48 | .28 | 2.61 | 2.06 | .23 | .00 | .00 | .00 | .00 | .00 | 10.82 | 2.04 | 20.04 | ..... | ..... |
| Point Concepcion | 1.24 | 3.81 | 2.73 | 1.48 | .11 | .16 | .00 | .02 | T. | .37 | .44 | 1.87 | 12.23 | 32.54 | 2.30 |
| Santa Barbara | 3.87 | 3.88 | 1.90 | 1.61 | .33 | .12 | .00 | T. | .04 | .46 | 1.49 | 3.59 | 17.29 | 34.47 | 4.19 |
| Nordhoff | 4.18 | 6.40 | 4.50 | 3.48 | 1.25 | .48 | .00 | .00 | .00 | .42 | 4.89 | 2.24 | 27.84 | ..... | ..... |
| San Buenaventura | 3.86 | 3.57 | 2.37 | 1.48 | .38 | .27 | .00 | .00 | .01 | .44 | 1.96 | 2.53 | 16.87 | ..... | ..... |
| Los Angeles | 3.93 | 3.76 | 1.90 | 1.34 | .35 | .09 | T. | .08 | .01 | .35 | 1.49 | 2.73 | 16.03 | 32.16 | 3.97 |
| Ravenna | 1.61 | 2.68 | 2.11 | 1.38 | .09 | .27 | .02 | .03 | .10 | .41 | 1.09 | 1.92 | 11.71 | 27.27 | 3.83 |
| Newhall | 2.09 | 3.55 | 2.27 | 1.82 | .48 | .16 | T. | .00 | T. | .26 | 1.45 | 2.64 | 14.72 | 42.11 | 3.04 |
| San Fernando | 2.31 | 3.79 | 2.27 | 2.00 | .43 | .00 | .02 | T. | .00 | .36 | 1.47 | 2.64 | 15.29 | 18.91 | 7.87 |
| Cahuenga Valley | 2.69 | 5.08 | 2.95 | 2.18 | .97 | .20 | .00 | .04 | .02 | .45 | 2.36 | 2.51 | 19.45 | 30.43 | 9.00 |
| Spadra | 2.80 | 2.81 | 1.77 | 1.31 | .32 | .06 | T. | .01 | .01 | .33 | 1.06 | 1.68 | 12.10 | 24.50 | 5.80 |
| Santa Monica | 2.18 | 3.32 | .61 | 2.07 | .36 | .00 | .00 | .00 | .08 | .01 | 2.47 | 1.39 | 12.49 | 17.30 | 10.22 |
| Downey | 1.28 | 2.98 | 1.69 | 2.88 | .04 | .00 | .00 | .38 | .00 | .00 | .72 | .87 | 10.84 | ..... | ..... |
| Drum Barracks | 2.58 | 1.26 | 2.24 | .37 | .02 | .00 | .05 | .24 | .00 | .00 | .96 | 2.89 | 10.61 | ..... | ..... |
| Orange | 6.80 | 1.83 | 1.18 | 1.55 | .33 | .00 | .00 | .07 | .00 | .02 | 2.84 | 1.22 | 15.84 | ..... | ..... |
| Anaheim Barracks | 1.81 | 2.75 | 1.74 | 1.48 | .54 | .13 | .00 | T. | T. | .34 | .93 | 1.90 | 12.12 | 26.17 | 4.35 |
| Alosta | 4.06 | 6.19 | 5.17 | 3.10 | .78 | .42 | .00 | .00 | .00 | 1.01 | 1.75 | 2.97 | 25.45 | 60.62 | 12.09 |
| Whitewater | .64 | 1.21 | 1.04 | .48 | .00 | .00 | .00 | .03 | .00 | .13 | .38 | 1.06 | 4.97 | 12.81 | .84 |
| Cabazon | .15 | .12 | .00 | 1.20 | 1.10 | .00 | .00 | .00 | .00 | .00 | .00 | 2.05 | 4.62 | ..... | ..... |
| Indio | .34 | .61 | .12 | .10 | .05 | .00 | .00 | T. | T. | .01 | .24 | .45 | 1.92 | 5.60 | .10 |
| Fall Brook | 3.51 | 3.74 | 2.97 | 2.24 | .53 | .11 | .02 | .05 | .05 | .70 | 1.36 | 2.42 | 17.70 | ..... | ..... |
| San Luis Rey | 3.18 | 3.53 | 2.00 | 2.39 | .09 | .20 | .00 | .00 | .01 | .11 | 6.69 | 2.08 | 21.28 | ..... | ..... |
| Escondido | 3.27 | 3.23 | 2.54 | 1.84 | .53 | .22 | .00 | .02 | .25 | .48 | 1.39 | 1.92 | 15.69 | 32.05 | 7.70 |

RAINFALL FOR EACH MONTH IN THE YEAR, ETC.—Continued.

| NAME OF STATION. | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Average. | Greatest Seasonal Precipitation. | Least Yearly Precipitation. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Julian | 5.67 | 7.94 | 9.85 | 5.99 | .73 | .00 | .00 | .00 | .00 | .55 | 3.37 | 4.68 | 38.78 | 61.62 | 25.89 |
| Mammoth Tank | .19 | .43 | .09 | .11 | .02 | .00 | .06 | .13 | .03 | .14 | .16 | .49 | 1.85 | 3.11 | .73 |
| Poway | 2.65 | 2.33 | 2.06 | 2.16 | .54 | .09 | .01 | .03 | .08 | .55 | .94 | 2.51 | 13.95 | 29.45 | 8.48 |
| Fort Yuma | .34 | .40 | .18 | .10 | .02 | T. | .28 | .67 | .53 | .15 | .41 | .32 | 3.40 | 7.04 | .85 |
| San Diego | 1.55 | 2.22 | 1.38 | .90 | .44 | .07 | .01 | .19 | .03 | .29 | 1.02 | 2.16 | 10.26 | 25.97 | 3.71 |
| Campo | 2.36 | 2.80 | 2.38 | 2.58 | .27 | .05 | .60 | .37 | .01 | .41 | 1.13 | 2.21 | 15.17 | ------- | ------- |
| Otay Mesa | 2.32 | 2.46 | 1.73 | 1.86 | .69 | .08 | .10 | 2.15 | .00 | .36 | 1.45 | 1.30 | 14.50 | ------- | ------- |
| Oakwood | 4.78 | 2.18 | 2.52 | .55 | 1.11 | .00 | .15 | .00 | .20 | .23 | .07 | .08 | 11.87 | ------- | ------- |

## WASHINGTON TERRITORY, OREGON, CALIFORNIA, NEVADA, UTAH, AND ARIZONA.

The following temperature and rainfall figures for January, 1888, by Mr. H. E. Wilkinson, Observer in the office of the officer in charge of the Pacific Coast Division, Signal Service Corps. Mr. Wilkinson has also given the lowest temperature ever recorded, along with the date, since observations began, and it will be observed, in most cases, that the polar wave which passed over the Pacific Coast during January, was colder than ever before recorded. The table is both interesting and instructive:

| Stations. | Monthly Mean Temperature. | Highest Temp'ture and Date. | Lowest Temperature and Date. | Lowest Temperature Previously Recorded, and Date. | Rainfall. |
|---|---|---|---|---|---|
| Tatoosh Island, W. T. | 36.4 | 55.4, 30th | 14.0, 13th | ---------- | 12.10 |
| Port Angelos, Wash. Ter. | 31.7 | 54.2, 25th | 06.3, 14th | ---------- | 5.43 |
| Olympia, Wash. Ter. | 32.5 | 56.0, 30th | —01.8, 15th | 02.0....February, 1884 | 11.38 |
| Fort Canby, Wash. Ter. | 35.5 | 55.3, 31st | 11.0, 15th | 16.0....February, 1884 | 11.39 |
| Spokane Falls, Wash. Ter. | 15.5 | 51.7, 27th | —30.5, 16th | —27.7....January, 1883 | 3.96 |
| Walla Walla, Wash. Ter. | 21.1 | 65.4, 31st | —17.1, 16th | ---------- | 2.21 |
| Portland, Oregon | 30.0 | 62.0, 25th | —02.0, 15th | 03.0....December, 1875 | 8.50 |
| Roseburg, Oregon | 35.1 | 71.1, 26th | —06.0, 16th | 03.0....February, 1884 | 6.62 |
| Ashland, Oregon | 32.7 | 62.0, 26th | —03.0, 14th | 12.0....February, 1887 | 3.81 |
| Linkville, Oregon | 20.1 | 45.6, 31st | —23.9, 15th | —04.0....February, 1884 | 2.77 |
| Fort Klamath, Oregon | 16.6 | 46.0, 26th | —39.0, 15th | —34.0....February, 1884 | 5.71 |
| Lakeview, Oregon | 21.9 | 50.0, 27th | —24.0, 15th | ---------- | 2.85 |
| Eureka, California | 44.6 | 76.9, 26th | 20.3, 14th | ---------- | 12.95 |
| Fort Bidwell, California | 21.8 | 51.2, 30th | —25.5, 14th | ---------- | 3.28 |
| Red Bluff, California | 40.9 | 59.5, 30th | 17.5, 14th | 19.0....January, 1883 | 4.08 |
| Sacramento, California | 42.8 | 63.0, 25th | 19.0, 14-15 | 19.0....January, 1854 | 4.81 |
| San Francisco, California | 46.3 | 62.8, 28th | 28.7, 15th | 33.1....February 5, 1887 | 6.81 |
| Fresno, California | 44.1 | 68.5, 26th | 19.6, 16th | ---------- | 1.75 |
| Keeler, California | 35.3 | 58.0, 31st | 11.8, 15th | ---------- | 0.70 |
| Los Angeles, California | 50.0 | 71.0, 26th | 30.9, 10th | 28.0....February, 1883 | 6.04 |
| San Diego, California | 51.6 | 64.5, 21st | 35.0 8th | 32.0 Dec., 1879, Jan., '80 | 1.96 |
| Yuma, Arizona | 51.6 | 78.6, 28th | 20.7, 11th | 22.5....January, 1883 | 0.18 |
| Fort Apache, Arizona | 34.6 | 64.7, 26th | 06.7, 13th | —09.0....February, 1880 | 1.42 |
| Prescott, Arizona | 27.5 | 56.0, 28th | —12.0, 8th | —18.0....December, 1879 | 1.30 |
| Winnemucca, Nevada | 18.7 | 49.6, 25th | —28.0, 15th | —23.0....January, 1883 | 1.40 |
| Carson, Nevada | 27.6 | 57.8, 30th | —09.6, 16th | ---------- | 1.51 |
| Salt Lake City, Utah | 23.5 | 52.8, 30th | —16.7, 15th | —20.0....January, 1883 | 1.52 |
| Helena, Montana | 5.3 | 56.5, 30th | —41.0, 15th | —40.0....December, 1880 | 0.79 |
| Boise City, Idaho | 17.7 | 61.2, 28th | —27.8, 16th | —27.0....January, 1883 | 1.54 |

## EFFECT OF TREES AND VEGETATION ON CLIMATES.

The following on climates, and how they are affected by trees and vegetation, is from the Encyclopedia Britannica, volume six, ninth edition, in which it says:

When the ground is covered with vegetation the whole of the sun's heat falls on the vegetable covering, and as none of it falls directly on the soil, its temperature does not rise so high as that of land with no vegetable covering. The temperature of plants exposed to the sun does not rise so high as that of soil, because a portion of the sun's heat is lost in evaporation, and the heat cannot accumulate on the surface of the leaves as it does on the soil. Hence, the essential difference between the climates of two countries, the one well covered with vegetation, the other not, lies in this, that the heat of the day is more equally distributed over the twenty-four hours in the former case, and, therefore, less intense during the warmest part of the day.

But the effect of vegetation on the distribution of the temperature during the day is most markedly shown in the case of *forests*. Trees, like other bodies, are heated and cooled by radiation, but owing to their slow conducting power the times of the daily maximum and minimum temperature do not occur till some hours after the same phases of the temperature of the air. Again, the effects of radiation are in the case of the trees not chiefly confined to a surface stratum of air a very few feet in thickness, but, as already remarked, are to a very large extent, diffused through a stratum of air, equaling, in thickness at least, the height of the trees. Hence, the conserving influence of forests on climate, making the nights warmer and the days cooler, imparting, in short, to the climates of districts clad with trees, something of the character of insular climates. Evaporation proceeds slowly from the damp soil usually found beneath trees, since it is more or less screened from the sun. Since, however, the air under the trees is little agitated or put in circulation by the wind, the vapor arising from the soil is mostly left to accumulate among the trees, and hence it is probable that forests diminish the evaporation, but increase the humidity, of climates within their influence. The humidity of forests is further increased by the circumstance that when rain falls, less of it passes immediately along the surface into streams and rivers; a considerable portion is at once taken up by the leaves of the trees, and percolates the soil, owing to its greater friability in woods, to the roots of the trees, whence it is drawn up to the leaves and there evaporated, thus adding to the humidity of the atmosphere.

Much has been done by Dr. Marsh and others in elucidation of the influence on climate of forests and the denudation of trees, in so far as that can be done by the varying depths of lakes and rivers, and other non-instrumental observations. Little, comparatively, has been done anywhere in the examination of the great practical question of the influence of forests on climate, by means of carefully devised and conducted observations made with thermometers, the evaporating dish, or the rain gauge. The most extensive inquiry on the subject yet set on foot has been for some years conducted in the forests of Bavaria, under the direction of Professor Ebermeyer, and a like inquiry was begun in Germany in 1875—the more important results being, that during the day, particularly in the warm

months, the temperature in the forests is considerably lower than outside in the open country, there being at the same time a slow but steady outflow of air from the forest; and that during the night the temperature in the forests is higher, while there is an inflow of air from the open country into the forest. The mean annual temperature in the forest increases from the surface of the ground to the tops of the trees (where it is observed to approximate to what is observed in the open country); a result evidently due to the facility of descent to the surface of the cold air produced by terrestrial radiation, and to the obstruction offered by the trees to the solar influence at the surface.

The mean annual temperature of the woodland soil from the surface to a depth of four feet is from 2 degrees to 3 degrees lower than that of the open country.

A series of observations was begun at Cornwath, Lanarkshire, in 1873, at two stations, one outside the wood and the other inside the wood, in a small grass plot of about fifty feet in diameter, clear of trees. From these valuable results have been obtained relative to the differences in the daily march of temperature, and the different rates of humidity, the most important being the substantial agreement of the mean annual temperature of the two places. The establishment of a station, with underground thermometers, which it is proposed to erect under the shade of the trees close to the station in the cleared space, will furnish data, which will not only throw new light on the questions raised in this inquiry, but also on the movements and viscosity of the air, and solar and terrestrial radiation.

## FORESTS AND LAKES A PROTECTION AGAINST FROSTS AND CHANGEABLE WEATHER, AND OTHER IMPORTANT CLIMATIC MEMORANDA.

Why forests and lakes protect the countries in which they are situated from the extremes of heat and cold, and why the Swiss build their houses on the sides of the hills and mountains instead of in the valleys, and also shows the variability in the change of temperature caused by elevation. This information is culled from the ninth edition of the "Encyclopedia Britannica," and is as follows:

Observations show that the rate at which the temperature falls with the height is a very variable quantity—varying with latitude, situation, the state of the air as regards moisture or dryness, and calm or windy weather, and particularly with the hour of the day and the season of the year. In reducing temperature observations for height, 1° for every three hundred feet is generally adopted. In the present state of our knowledge this or any other estimation is at best no more than a rough approximation, since the law of decrease through its variations requires yet to be stated, being in truth one of the most intricate and difficult problems of climatology awaiting investigation at the hands of meteorologists.

Among the most important climatic results to be determined in working out this problem are the heights at which in different seasons the critical mean temperatures, which have important relations to animal and vegetable life, are met with in ascending from low lying plains in different regions of the world. * * * Under this head by far the most important class of conditions are those which result in extraordinary modifications,

amounting frequently to subversions of the law of the decrease of temperature with the height. This will perhaps be best explained by supposing an extent of country diversified by plains, valleys, hills, and table lands to be under atmospheric conditions favorable to rapid cooling by nocturnal radiation. Each part being under the same meteorological conditions, it is evident that terrestrial radiation will proceed over all at the same rate, but the effects of radiation will be felt in different degrees and intensities in different places. As the air is in contact with the declivities of hills and rising grounds, becomes cooled by contact with the cooled surface, it acquires greater density, and consequently flows down the slopes and accumulates on the low lying grounds at their base. It follows, therefore, that places on rising ground are never exposed to the full intensity of frosts at night; and the higher they are situated relative to the immediately surrounding districts the less are they exposed, since their relative elevation provides a ready escape downwards for the cold air almost as speedily as it is produced. On the other hand, valleys surrounded by hills and high grounds not only retain their own cold of radiation, but also serve as reservoirs for the cold heavy air which pours down upon them from neighboring heights. Hence mist is frequently formed in low situations, whilst adjoining eminences are clear. Along low lying situations in the valleys of the Tweed and other rivers of Great Britain laurels, araucarias, and other trees and shrubs were destroyed during the great frost of Christmas, 1860, whereas the same species growing on relatively higher grounds escaped, thus showing by incontestible proof the great and rapid increase of temperature with height at places rising above the lower parts of the valleys.

This highly interesting subject has been admirably elucidated by the numerous meteorological stations of Switzerland. It is there observed in calm weather in winter, when the ground becomes colder than the air above it, that systems of descending currents of air set in over the whole face of the country. The direction and force of these descending currents follow the irregularities of the surface, and, like currents of water, they tend to converge and unite in the valleys and gorges, down which they flow like rivers in their beds. Since the place of these air-currents must be taken by others, it follows that on such occasions the temperature of the tops of mountains and high grounds is relatively high, because the counter currents come from a great height, and are therefore warmer. Swiss villages are generally built on eminences rising out of the sides of the mountains with ravines on both sides. They are thus admirably protected from the extremes of cold in winter, because the descending cold air-currents are diverted aside into the ravines, and the counter currents are constantly supplying warmer air from the higher regions of the atmosphere.

Though the space filled by the down flowing current of cold air in the bottom of a valley is of greater extent than the bed of a river, it is yet only a difference of degree, the space being in all cases limited and well defined, so that in rising above it in ascending the slope the increased warmth is readily felt, and, as we have seen, in extreme frosts the destruction to trees and shrubs is seen rapidly to diminish.

The gradual narrowing of a valley tends to a more rapid lowering of the temperature, for the obvious reason that the valley thereby resembles a basin almost closed, being thus a receptacle for the cold air-currents which descend from all sides. The bitterly cold furious gusts of wind which are often encountered in mountainous regions during night are simply the outrush of cold air from such basins.

Two chief causes which tend to counteract these effects of terrestrial radiation are forests and sheets of water. * * * Deep lakes may be

regarded as sources of heat during winter, and places situated near their outlet are little exposed to cold gusts of wind, while places on their shores are free from the severe frosts which are peculiar to other low lying situations. The frosts of winter are most severely felt in those localities where the slopes above them are destitute of vegetation, and consists only of bare rock and soil, or of snow. If, however, the slopes be covered with trees, the temperature is warmer at the base and up the sides of the mountain, the beneficial influences of forests consisting in the obstacles they offer to the descending currents of cold air, and in distributing the cold produced by terrestrial radiation through a stratum of the atmosphere equaling in thickness the height of the trees. Hence as regards strictly local climates, the intelligent knowledge of which is of great practical value, it follows that the best security against the severity of cold in winter is afforded where the dwellings are situated on a gentle acclivity a little above the plain or valley from which it rises with an exposure to the south, and where the ground above is planted with trees. * * * Extensive forests tend to mitigate the extremes of temperature and distribute its daily changes more equably over the twenty-four hours.

## ITALIAN CLIMATE.

The following article was taken from the work of Dr. J. Henry Bennett, entitled "Winter and Spring on the Shores of the Mediterranean, or the Riviera of Italy." The description is of the climate of Mentone, as that is a good sample in general of the great Riviera of Northern Italy. It will be found in many particulars to resemble the various climates of California, and as a health resort resembles very much the winter climate of Santa Barbara, with the balance in favor of our own State:

The characteristics of the Mentone winter climate are: Absence of frost, prevalence of northerly winds, moderate dryness of the atmosphere, complete absence of fog, paucity of rainy days, clearness and blueness of sky, general heat and brilliancy of the sun, cool night temperature, and a bracing coolness of the atmosphere generally.

Careful observation, during ten winters, of the meteorological conditions which reign on the Genoese Riviera, and at Mentone, has gradually enlarged my experience, and led me to form a clear idea of their nature and of their influence over the climate.

As we have seen, the Mentonian district, which has been the principal seat of my observation and study, is a small amphitheater, situated on the coast line or undercliff of the mountains of Southern Europe, as they reach the Mediterranean. To the northeast, north, and northwest, are the highest mountain chains of Europe, extending hundreds of miles.

Further still to the northeast lies the table land of Europe, which reaches to the Arctic regions. As a necessary result of this geographical position, the northern winds—especially the north and northeast, must be very dry winds.

Firstly, they have been dried by traveling over a great continent.

Secondly, they have had nearly all the remaining moisture wrung out of them by the extreme cold of the high regions, which they have to pass over when crossing Alpine chains, before they reach the Mediterranean. The physical evidences of the extreme dryness of the atmosphere, when

northerly winds reign, are manifold. Firstly, with a north and northeast wind, there is generally a difference of from 9° to 12° Fahrenheit, between the wet and dry-bulb thermometers.

With the northwest, which crosses lower mountain chains, and may come from the North Atlantic, the difference is generally from 5° to 8° or 9°.

Secondly, the atmosphere is generally clear; the sky blue; the sun shines warmly; the nights are comparatively cold, and the summits of mountains above four thousand feet high, are generally free from clouds.

These phenomena are easily explained on meteorological grounds. The presence of moisture in the air, either as imperceptible vapor or as cloud, gives a white appearance to the sky, and veils the earth from the sun's rays. It thus becomes a kind of shield, a protection from the warmth of the sun.

When moisture scarcely exists, and the air is dry, as it is in the Mediterranean with a north wind, in Egypt, in the desert of Sahara with south winds, indeed, in all dry regions, the sky is always blue, the sun shines with great power, and at night, owing to rapid radiation of the earth's heat into space, the air becomes comparatively cold.

Such is the climate of the north Mediterranean coast with northerly winds. The sky is clear and blue, the sun shines like a globe of fire, which it really is, and its rays reach the earth with great power. The nights are there clear, the stars shine with a brightness unknown in the north, and the temperature of the air is cold compared with what it is in the daytime. * * * The English climate is partly explained by the above facts. The atmosphere above the British Isles is always loaded with aqueous vapor, which gives to the sky its usual whitish color. The aqueous vapor of the atmosphere shields the earth from the action of the sun's rays during the day, and prevents radiation during night.

Hence the coolness of our summer, as compared with that of the same continental latitudes, where this aqueous shield is wanting. In winter, when the sun is low on the horizon and its rays are feeble, the cloud atmosphere, by promoting radiation, keeps in the heat previously acquired, and contributes, with the gulf stream, to render the British winter milder than that of the drier continental regions in the same parallel of latitude. The influence of these meteorological conditions on climate has been well explained of late by Professor Tyndall in his lectures on heat. It is also beautifully illustrated by the meteorological observations of Mr. Glaisher during his aeronautic ascensions. Once above the aqueous vapor and the clouds, which extend several thousand feet high in our climate, a dry atmospheric region is reached, where the sky appears intensely blue. The sun's rays here have so much power that they scorch and blister the face and hands, although the thermometer may be much below the freezing point. The Mediterranean climate, when the north winds blow, is like this upper region of our own atmosphere. The air, containing but little moisture when these north winds reign, as they do during the greater part of the winter, the sky is blue, and the sun shines through it fiercely, even in midwinter. It thus warms all the objects with which it comes in contact, and which are sheltered from the wind, that is the entire under cliff.

The northwest wind, called the mistral in this part of the Mediterranean, usually blows from the south of France as a cold, dry, cutting wind, which is much dreaded. One of the great climatic advantages of Mentone is its complete protection from this wind by the Turbia Mountain, which separates it from Nice.

When the mistral blows, the sky remains blue and the sun shines warmly. Sometimes, however, the northwest wind blows no longer as a

local wind originating in the south of France, but as a grand northwest European wind coming from the north seas and northwest Atlantic. Then it brings black clouds loaded with rain which may fall in the district or out at sea, and the wet bulb thermometer rises. When rain does fall, with a northwest wind, there is generally a grand oceanic and European northwesterly storm; but such rain is rare. It is still more so with the strictly continental winds, or the north northeast and east winds. Indeed, when rain falls at Mentone, with any such winds, it is generally at the end of a European gale from these regions, of which the newspapers bring us the details a few days later. Such rain becomes snow on the higher elevations of the mountains that surround and inclose the district.

Even with a direct southeast wind, snow may fall, exceptionally, at Mentone, inside the amphitheater, owing to its being open to the southeast in a line with the high mountains of Corsica, which lie direct southeast and are thus covered with snow. Snow, with a southeasterly wind, generally falls in the latter part of the winter, in March for instance, when immense masses of snow have accumulated on the Corsican mountains. Before this accumulation has taken place, in early winter, the southeast wind is a warm wind, the sirocco. Thus during the winter there is very little rain from the northern quarters; and as, during the winter months, from November to May, the wind is generally from these quarters, the dry, clear, sunny, but cool winter climate of Mentone is explained. The exceptional winter warmth, for the latitude, depends on mountain protection and on other causes.

When rain falls, with the wind in the northern quarters, it is generally gentle, moderate in quantity, and does not present the tropical character. When the northerly winds bring clouds and scud over the mountains, and the atmosphere in the Mentonian amphitheater and out at sea is warm, these clouds often melt gradually and disappear. It is a very interesting sight to see thick banks of clouds thus rising over the summits of the higher mountains in the background, expanding on the sky above, and then melting away as they advance southwards into warmer atmospheric strata. After a time, however, if the wind which impels them is powerful, they cool the air, accumulate, and the entire sky becomes overcast.

With southwesterly and southeasterly winds, the fall of rain at Mentone, and on the Riviera in general, is often very great in a limited space of time; indeed, quite tropical. This is also sometimes the case when northerly winds meet southerly currents on or near the coast line, and condense their moisture. The rainfall may amount to five or six inches in the twenty-four hours.

Whenever this occurs, the watercourses are filled, from bank to bank, with enormous volumes of water, which carry down great masses of stone, like straws, from the mountains, and excavate wide beds as they approach the shore line. These watercourses are at other times, as in central and southern Italy, mere rivers of stones with a thin stream of water trickling through the middle.

On one night—December, 1859—four and a half inches fell in ten hours. The greatest amount of rain that was known to have fallen in twenty-four hours at Greenwich in five years was 2.63 inches.

The total rainfall during my first winter's residence at Mentone, 1859–60, was 23.68 inches, from October ninth to April twenty-first, viz.: October, 8.02 inches; November, 2.21; December, 6.96; January, 3.24; February, .18; March, 1.26; and April, 1.81 inches. These data were given me by a friend who kept an accurate register. According to my own observations, it rained in that winter, in November, 5 days; in December, 5; in Janu-

ary, 4; in February, 1; in March, 6; in April, up to the twenty-third—8 days; in all, 29 days, from November third until April twenty-third. In October it rained nearly every day.

It very often rains on the mountains, or a few miles out at sea, when it is quite clear and fine on and near the seashore. In the former case, the wind is generally a southern wind, and, as it ascends the mountain, it evidently meets with colder strata of air which precipitate its moisture, forming rain clouds. I have repeatedly sat on the mountain side and watched a current of warm air rise from the sea, at a distance, form at first a vapor on the shore, and then a white cloud, gradually ascending the mountain. It is singular to see the small cloud thus spring, as it were, from the waves near the coast line, gradually expanding and enlarging as it creeps up the mountain side.

The rain, in these instances, is often confined to the upper mountains, and increases the volume of torrents and rivulets, although it may remain quite fine at and around Mentone, as also on the sea horizon. When, on the contrary, it rains a few miles out at sea, whilst there is fine, dry weather at Mentone, the wind generally comes from the contrary direction—from the north. The cold north wind, passing overhead, impinges upon the sea some distance from the shore, meeting warmer atmospheric strata. Dark banks of clouds thus form on the horizon and rain falls several miles from the coast. In either case the coast ledge may, and often does, enjoy a happy immunity.

The average fall of rain at Nice is 25 inches. I presume that the annual fall at Mentone is greater, from its being surrounded by mountains on all sides but the south, the southeast, and southwest.

The average number of rainy days at Nice is 60. M. de Brea, a native and resident of Mentone, and a gentleman of high scientific attainments, has published a meteorological table, founded on ten years' observation, from 1851 to 1861. According to his experience, the average number of days or nights during which it rained little or much at Mentone is 80, or 20 more than at Nice. We may presume, therefore, that the fall of rain is greater, although the consequence is not necessary. At Greenwich the average rainfall is only 25 inches, yet the number of rainy days is 155. At Torquay the average number of rainy days is also 155. At Pau the average rainfall is 43 inches; rainy days, 119. At Malaga the number of rainy days is only 40. At Madeira the rainfall is variable; the average about 30 inches; the rainy days, 88.

The amount of rain that falls does not so much characterize the climate of a locality as the manner in which it falls. At Mentone, as at Nice and along the entire Riviera, thoroughly cloudy days and days of incessant rain are rare. They do, however, occur occasionally in the winter, and principally with continued southerly winds. The sky is then quite obscured, so that the sun is not seen as in the north, and rain may fall for several days and nights. But this does not usually take place more than two or three times in the course of the winter. Many inches of rain fall on these occasions, thoroughly soaking the ground. After two or three days the clouds disperse, the sun peers forth, and again courses through a clear blue sky like a blazing fire. In a few hours the ground becomes dry, and many days of uninterrupted sunshine generally follow, during which outdoor life goes on as during a fair rainless September in England.

There are two rainy seasons on the Riviera—one, the autumnal equinox at the latter end of September and during October; the other, the vernal equinox in March, ending with the first week in April. The autumnal rainy season is rather irregular in its periodicity. It usually occurs under

the influence of southwesterly gales, and extends, more or less, into November. The rains do not last in most winters more than three or four weeks, and that not continuously. The rest of the winter, until the spring, is generally dry and fine, under the influence of the northerly winds, with the exception of a few occasional days of rain, when the wind turns to southern quarters. Heavy rain again falls in the latter half of March, with southwesterly or southeasterly gales and storms, as in northern Europe. These rains saturate the earth and renew the springs.

Under their fostering influence, and with the help of the ardent sun, which shines through the clear dry atmosphere, vegetation then advances with astonishing rapidity. As in England, and in most other regions, the seasons, and more especially the winter, vary in different years, so that it is difficult to form a correct opinion from the experience of any one year. There are winters during which southwesterly winds prevail, often clouding the sky and bringing rain at intervals throughout the winter. Such were the winters of 1864–65, and of 1868–9.

During the summer but little or no rain falls. In some years the drought lasts, without cessation, for six or seven months, from April or May to October or November. Thence the absolute necessity of tanks for the irrigation of the lemon and orange trees, which, as we have stated, cannot thrive and bear fruit without irrigation during the dry season. The exceptional dryness of the summer along the Riviera, in the south of France, in Spain, and in the Mediterranean generally, is explained by the fact that this great inland sea lies on the northern limit of that part of the earth's surface to which, in physical geography, is given the name of the rainless tract. The highest expression of this region is the desert of Sahara, which continues those of Arabia and Central Asia. The principal cause of their existence is, no doubt, the passage of northeasterly winds over Asia and southern Europe during the entire year, either as upper or surface currents. These winds passing over continents and great chains of mountains, gradually lose their moisture, until they have but little to bestow on the regions they attain in the more advanced stage of their progress, and the latter consequently become dry regions or deserts for want of rain. The winds that course over the earth's surface may be divided into two principal currents.

The one, from the poles to the equator; the other, a return current from the equator to the poles.

Owing to the earth's diurnal motion of rotation, the wind from the poles to the equator takes a slanting easterly direction; that from the equator to the poles a westerly one. Thus, in the northern hemisphere the wind from the pole to the equator is a northeast wind; that from the equator to the pole a southwesterly one. From the tropic of Cancer, or from about latitude 30° to the equatorial region, the northeast wind is always a surface wind, and constitutes the northeast trade. From the pole to the tropic the systemic northeast wind is either an upper current or a surface one, according to seasons and other influences.

According to M. de Brea's statistics, omitting the fractions, the annual number of fine days in which the sun shines without clouds is 214; the number of days in which the sun shines with clouds is 45; and the number of days in which the sun is not seen, the sky being completely obscured, without rain, is 24; to which we may add: days of rain, 80, many in part sunshiny.

The rainy days principally occur between the months of October and May. In summer, as has been stated, there is sometimes not a drop of rain for months together. The winds can then blow from the south with-

out their vapor being condensed into clouds and rain on the mountain summits which skirt the coast. The mountains are themselves heated with the powerful rays of the summer sun, and the sea-borne winds meet currents still warmer than themselves. Even in winter, a very gentle south wind from the sea, may not bring cloud and rain. All its superabundant moisture may be at once taken up, owing to the great dryness of the colder mountain atmosphere. Notwithstanding the mildness and sunny brightness of the weather, yet it is still decidedly winter at Mentone from December to April. The nights are chilly during four months—from December to April—the thermometer generally falling to between 46° and 54° with south winds, and with north winds to between 40° and 45°, sometimes below 40°. In the daytime it is generally cool in the shade, and out of the shade when the sun is obscured by clouds. The ordinary "shade maximum" varies from 50° to 56° when the sun shines, and is lower still when it does not. The temperature always falls as soon as the sun disappears or sets, and often at once reaches the minimum of the twenty-four hours, owing, no doubt, to a cool down draught from the mountains. The heat is evidently produced by the direct influence of the sun. In a south room, whenever the sun is on the room, the window can be left wide open; and, without a fire, the thermometer will generally remain at about 64°. But as soon as the sun disappears, the window has to be shut, and chilly persons require a wood fire.

In midday, the north rooms on the same floor are, even when the sun shines, four, six, or eight degrees colder than the south. Even before sunset, as soon as the sun disappears behind the mountains, there is a difference of six or eight degrees in the temperature of the atmosphere if northerly winds prevail. When the sun is permanently obscured by clouds, the air often feels chilly, even with a south wind, and the complaints against the climate are loud and numerous.

The climate of the Mentone amphitheater and of the Riviera in general is a favorable specimen of what botanists call the warmer temperate zone. Plants live nearly everywhere that frost kills at other places. Many annuals in a colder region become perennials here, and many forms of vegetation new to the more northern flora make their appearance. It is the Mediterranean climate, but that of the more favored Mediterranean regions. In Italy, for instance, the most protected southern parts must be reached to find the same immunity from frosts. On the southern shores of the Mediterranean, in Algeria, there is the same immunity from frost; but owing to the presence of the Atlas Mountains, cool rains predominate throughout the winter, with the north winds which usually rule at that time of the year. Mentone also is warmer and more protected from northern winds than its neighbor, Nice; more so than Cannes, although the general features of the climate must be the same, for all are only a short distance apart. It is the question of fruit walls in the same orchard—one higher and giving more protection than the others, but all turned towards the south. At Nice there are sheltered situations, such as the Cimiez, the Carabacel, and Villafranche, in which the protection is greater than in the town itself, and which thus assimilates to Mentone without, however, equaling it.

**Foreign Temperature,** by Sir James Clark, with Palermo, Algiers, and Mentone added to the table by Dr. Henry Bennett, from whose work, "Winter and Spring on the Shores of the Mediterranean," the following table was taken:

| Names of Places. | Mean Temperature of Months. | | | | | | | | | | | | Mean Temperature of Seasons. | | | | Mean Annual Temperature. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | March. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Winter. | Spring. | Summer. | Autumn. | |
| Cairo | 58.1 | 56.1 | 64.6 | 77.9 | 78.3 | 83.7 | 85.8 | 85.8 | 79.2 | 72.3 | 63.0 | 61.3 | 58.5 | 73.6 | 85.1 | 71.5 | 72.2 |
| Santa Cruz (Canaries) | 63.8 | 64.3 | 67.2 | 67.3 | 72.1 | 73.9 | 77.3 | 78.9 | 77.4 | 74.7 | 70.4 | 65.8 | 64.6 | 68.9 | 76.7 | 74.2 | 70.9 |
| Ceylon (Hill District) | 69.2 | 66.5 | 70.8 | 72.7 | 71.4 | 69.4 | 69.8 | 68.9 | 70.8 | 70.9 | 70.6 | 69.7 | 69.3 | 70.8 | 69.5 | 71.3 | 70.2 |
| Malta | 56.5 | 56.3 | 58.1 | 61.8 | 67.4 | 73.8 | 79.6 | 81.2 | 77.8 | 71.1 | 64.2 | 59.6 | 57.5 | 62.8 | 78.2 | 71.0 | 67.3 |
| Corfu | 52.6 | 51.8 | 54.6 | 58.3 | 66.7 | 72.3 | 77.7 | 81.3 | 78.3 | 70.8 | 63.8 | 58.4 | 54.3 | 59.8 | 77.1 | 71.0 | 65.6 |
| Madeira | 59.7 | 60.3 | 61.9 | 62.0 | 63.4 | 66.9 | 70.0 | 71.9 | 71.3 | 66.8 | 64.0 | 61.4 | 60.6 | 62.4 | 69.6 | 67.3 | 65.0 |
| Palermo | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 53.1 | 59.3 | 74.7 | 66.8 | 64.4 |
| Algiers | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 55.0 | 66.0 | 77.0 | 60.0 | 64.0 |
| Port Jackson (N. S. W.) | 61.7 | 71.6 | 69.6 | 64.0 | 59.7 | 54.9 | 53.9 | 55.3 | 59.3 | 63.5 | 67.7 | 69.2 | 54.6 | 63.4 | 70.9 | 64.0 | 62.9 |
| Cadiz | 51.4 | 53.7 | 55.2 | 59.6 | 63.8 | 68.2 | 70.3 | 72.9 | 70.2 | 67.1 | 58.8 | 53.6 | 52.9 | 59.5 | 70.4 | 65.4 | 62.9 |
| St. Michael's (Azores) | 59.0 | 59.0 | 59.5 | 61.0 | 63.0 | 67.0 | 68.0 | 70.0 | 68.0 | 63.0 | 56.0 | 55.6 | 57.8 | 61.2 | 68.3 | 62.3 | 62.4 |
| Naples | 46.5 | 48.5 | 52.0 | 57.0 | 66.5 | 71.0 | 75.0 | 76.5 | 72.5 | 65.0 | 54.5 | 50.5 | 48.5 | 58.5 | 70.8 | 64.5 | 61.4 |
| Mentone | 48.2 | 48.5 | 52.0 | 57.2 | 63.0 | 70.0 | 75.0 | 75.0 | 69.0 | 64.0 | 54.0 | 49.0 | 49.5 | 60.0 | 73.0 | 55.6 | 60.8 |
| *San Remo | 47.2 | 50.2 | 52.0 | 57.0 | 62.9 | 69.2 | 74.3 | 73.8 | 70.6 | 61.8 | 53.3 | 49.3 | 48.9 | 57.3 | 72.4 | 61.9 | 60.2 |
| Rome | 47.6 | 49.4 | 52.0 | 56.4 | 64.5 | 69.2 | 73.3 | 74.0 | 69.5 | 63.6 | 58.8 | 49.6 | 48.9 | 57.6 | 72.2 | 64.0 | 60.7 |
| Pisa | 44.0 | 48.1 | 51.5 | 56.3 | 63.8 | 70.6 | 77.5 | 77.5 | 73.5 | 62.6 | 52.3 | 47.0 | 46.0 | 57.2 | 75.2 | 62.8 | 60.6 |
| Genoa | 41.6 | 47.5 | 51.1 | 60.3 | 64.4 | 73.5 | 75.1 | 76.5 | 73.2 | 64.7 | 51.0 | 45.6 | 44.6 | 58.6 | 75.0 | 62.9 | 60.4 |
| Toulon | 40.0 | 44.0 | 48.0 | 55.0 | 68.0 | 70.0 | 74.0 | 79.0 | 64.0 | 62.0 | 51.0 | 46.0 | 43.3 | 53.7 | 74.3 | 59.0 | 59.9 |
| Marseilles | 54.8 | 45.1 | 49.1 | ..... | ..... | ..... | ..... | ..... | ..... | 58.2 | 50.4 | 46.6 | 45.5 | 57.6 | 72.5 | 60.1 | 59.5 |
| Nice | 45.8 | 49.0 | 51.4 | 57.0 | 63.0 | 69.0 | 73.6 | 74.3 | 69.4 | 61.8 | 53.7 | 48.6 | 47.8 | 56.2 | 72.3 | 61.6 | 59.5 |
| Florence | 41.0 | 45.0 | 48.0 | 56.0 | 64.0 | 69.0 | 77.0 | 76.0 | 70.0 | 59.0 | 53.0 | 47.0 | 44.3 | 56.0 | 74.0 | 60.7 | 59.0 |
| Port Philip (N. S. W.) | 67.6 | 68.9 | 65.7 | 58.6 | 55.6 | 50.9 | 49.2 | 50.1 | 54.5 | 58.2 | 62.5 | 65.9 | 50.1 | 58.4 | 67.5 | 60.0 | 59.0 |
| Auckland (N. Z.) | 67.9 | 67.3 | 64.2 | 60.5 | 54.7 | 51.4 | 49.0 | 51.7 | 54.0 | 56.4 | 60.1 | 63.9 | 50.7 | 56.8 | 66.4 | 59.8 | 58.4 |
| Avignon | 42.0 | 43.5 | 50.5 | 55.0 | 66.0 | 72.0 | 76.0 | 76.0 | 67.0 | 60.0 | 50.0 | 43.3 | 42.6 | 57.1 | 74.7 | 59.0 | 58.2 |
| Montpelier | 42.0 | 45.0 | 47.0 | 53.0 | 60.0 | 67.0 | 72.0 | 75.0 | 71.0 | 61.0 | 52.0 | 46.0 | 44.2 | 53.3 | 71.3 | 61.3 | 57.6 |
| Pau | 41.2 | 43.6 | 48.8 | 51.8 | 61.6 | 68.2 | 70.6 | 73.4 | 67.4 | 58.2 | 46.6 | 42.8 | 41.8 | 54.1 | 70.7 | 57.4 | 56.2 |
| Sienna | 39.7 | 40.2 | 46.2 | 53.7 | 62.4 | 67.5 | 72.8 | 72.3 | 66.0 | 58.3 | 47.1 | 41.7 | 40.5 | 54.1 | 70.8 | 57.1 | 55.6 |
| Baths of Lucca | ..... | ..... | ..... | 53.0 | 60.5 | 63.0 | 70.0 | 71.5 | 66.0 | ..... | ..... | ..... | ..... | ..... | 68.2 | ..... | 55.0 |
| Paris | 35.6 | 40.5 | 43.5 | 49.6 | 58.1 | 62.5 | 65.7 | 65.2 | 60.4 | 52.4 | 44.2 | 39.2 | 38.4 | 50.4 | 64.5 | 52.3 | 51.5 |
| *Cannes | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.6 | 51.4 | 73.0 | 61.0 | 59.9 |
| *Valencia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.7 | 63.0 | 75.3 | 66.0 | 63.8 |
| *Gibraltar | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 58.0 | 66.0 | 77.0 | 67.0 | 64.0 |
| *Lisbon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 54.0 | 59.0 | 68.0 | 59.0 | 61.0 |
| *Mexico | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 53.6 | 63.4 | 65.2 | 60.1 | 60.6 |
| *Jerusalem | 49.4 | 54.4 | 55.7 | 61.4 | 73.8 | 75.2 | 79.1 | 79.3 | 77.0 | 74.2 | 63.8 | 54.5 | 52.8 | 63.6 | 77.9 | 71.7 | 66.5 |

*Added to the table by Sergeant Barwick.

## REVOLVING STORMS.

The following article on revolving storms, etc., was published in the San Francisco Daily "Call," April 2, 1889, the article being furnished that paper by Lieutenant H. P. McIntosh, of the Hydrographic Office, in the Merchants' Exchange, San Francisco, with a few notes added by the Lieutenant. The article is intensely interesting, and well worthy of careful perusal and close study:

REVOLVING STORMS—HOW DO THEY OCCUR, AND WHAT GOVERNS THEIR MOVEMENTS—PECULIARITIES OF SAMOA—ILLUSTRATION OF HOW THE WIND REVOLVES TOWARD THE CENTER OF LOW BAROMETER.—The recent meteorological phenomenon at Samoa has opened a field of inquiry with reference to hurricanes, tornadoes, typhoons, or by whatever name they may be classified, that will probably result in a more careful study of the causes, tracks, and influences than ever before. All information at this time is obscure, and, in a great degree, speculative. It has been established, however, that all are in a greater or less degree cyclonic, and that while they may be moving ahead at the rate of from eighteen to twenty miles an hour, the current within the air whirlpool is of terrific force. The nearer the center of the vortex, the greater the velocity.

### AVERAGE VELOCITY.

The average velocity of the cyclone varies greatly, not only in different parts of the world, but in the same localities, and at the same season of the year. The size of a cyclone does not afford any rule whereby to estimate its rate of traveling, as both large and small ones are known to move with great rapidity, or at moderate or slow rates, without, apparently, any sort of law. It has been conjectured that the vortex below was carried forward by currents of wind above; but it is objected to this that the upper strata of clouds are often seen, through breaks in a storm, to move across or against the track of the cyclone, which itself has a track against the prevailing winds, as in the Atlantic hurricanes, moving to the east against the trade winds, the track of one having been observed for a distance of three thousand miles; or oblique to them, as the hurricanes of the Southern Indian Ocean, moving to the westsouthwest across the southeast trade.

These facts leave observers completely in the dark as to what causes their progressive motion, and also as to what causes their violent gyrations. This state of feeling is intensified by the fact that, like sandstorms or dust whirlpools, they will sometimes remain stationary for hours, and even for a day or more, moving at a rate of one fifth to two miles an hour, and then start off on a track upon which their size and velocity gradually increase. Usually they diminish in velocity in passing over land, and particularly if it is high land.

According to Redfield the West Indian and North American cyclones range from nine and five tenths miles an hour to forty-three miles. This would make a mean rate of about twenty-six miles. In the Southern Indian Ocean Thom estimates the rate of traveling to be from nine and ten minutes to a little more than two miles an hour. Colonel Reid, in his chart of the cyclone of 1809, lays down from seven to twelve and one half

miles per day. Piddington says that cyclones are of slow progression, being from two and three fourths to one and one fourth miles per hour on a singularly calm track. In the Mozambique Channel, Boyne, in his cyclone of 1838, lays down ten miles an hour. In the Arabian Seas the rate of progression is placed at from four to sixteen miles an hour. In the Bay of Bengal, Piddington estimates the progress at from a little over two to thirty-nine miles an hour, although from three to fifteen may be taken as the usual rates. The cyclone which traveled at the low rate of but little over two miles an hour (fifty-three miles in twenty-four hours) was the tremendous one which inundated Burisal and Backergunge, at the mouth of the Burrampooter and the Ganges, in which over fifty thousand persons lost their lives, and a vast amount of property in houses, cattle, and other things was lost.

In the Andaman Sea, the usual rate of a cyclone is four miles an hour. Off the coast of Ceylon they average from five to ten miles an hour, or more. In the China Sea, the rate of progression has been estimated at from seven to twenty-four miles an hour. The cyclone referred to came under the head of "stationary cyclones," and their periodicity and favorable opportunities of making observations enable the statistician to give approximately accurate data with regard to the peculiarities of the meteors. So far, unfortunately, the means of observation in the Pacific have been less favorable, and comparatively speaking but little is known of the habitat of the cyclone. There is no doubt, however, of the frequency of the occurrence between the Samoan group and the Friendly Islands, although there is more frequent damage done on the latter than on the former. The track of the hurricane appears to be between the groups.

### CLIMATIC PECULIARITIES.

The Governments of the United States and Great Britain have gathered and collected all information in any way appertaining to climatic, hygienic, and meteorological phenomena belonging to the Samoan Islands, and from the various reports may be gathered a vast amount of information that will be of interest to the general student. That any light will ever be thrown upon the immediate cause of a cyclone is a matter of extreme doubt. So far, it has been extremely difficult to ascertain the near approach of a tornado, so as to be able to guard against its effects. An English authority, speaking of the climate of Samoa, says:

"The climate of the islands may be termed variable, and there is much bad weather, particularly during the winter months, when long and heavy rains, attended at times with high winds and northerly gales, are frequent. Destructive hurricanes also occur, sometimes blowing down the towns and destroying the houses. Although these severe hurricanes do not happen very frequently at the Samoan Islands, yet it is probable that they occur very frequently between them and the Friendly Islands, where scarcely a season passes without some of the islands suffering from one of these awful catastrophes."

### HURRICANES IN THE PACIFIC.

The same authority speaks of the hurricanes of the Pacific in the following language:

"In the Pacific, like many other of the phenomena there met with, the recorded observations on hurricanes or typhoons are too scanty to have drawn up any regular system for them; so that for the present it remains

for the navigator to apply 'the law of storms' as developed in the Atlantic and Indian Oceans to these same meteors in the Pacific, and almost without question they will be found accordant, in most instances, with that law.

"In the Southern Pacific we have a groundwork to assert the character and occurrence of the true cyclones, and as Mr. Piddington states almost all that need be said on the subject, we quote his words:

"'In the tropical regions of the South Pacific, from the barrier reefs of Australia through the numerous groups of islands to the low archipelago, and perhaps even to near the coast of South America, and from the equator to latitude 25° south, there is no doubt that true hurricane storms (cyclones) occur of as great violence at least as those in the North Pacific; but from the scattered accounts of single ships, as also of missionary residents on the various islands, we cannot say anything positive as to their tracks, though they appear to come from the eastward among the islands, and sometimes to curve to the southward. The following are a few notes. The seasons at which they prevail seem also to be the same as those of the Mauritius and Bourbon:

"'At Viti-Leon, in the Fiji group, in February, 1841, a well-defined circular storm (cyclone), tolerably observed, seemed to have moved to the southward, and, though it lasted four days, was not felt at Tonga, eight or ten degrees to the southeast of it.

"'At Apia harbor, in the Samoan group (Navigators' Islands), latitude 14° south, on the sixteenth day of December, eighteen hundred and forty, a true hurricane storm (cyclone), of great violence, with a fall of four inches of the mercury (by a damaged barometer) was observed, moving from the north to the southward; and, four years previous, another, also well defined, moving from the northeast to the southeastward, the change of wind being from southeast to northwest. The space between the Samoan (Navigators') Islands and Friendly Islands is said expressly to be subject to violent hurricanes, and that scarcely a year passes without some of the Friendly Islands suffering from them. Their violence is such that many of the American whalers have been made complete wrecks of by them; two were lost about 1842 (year uncertain) at the Navigators' Islands.

"'At the Kingsmill group, on the equator, violent storms, which appear to be typhoon-like, are experienced.

"'At Vavroo, in the Friendly Islands, latitude 19° south, longitude 173° west, in 1837, the American whaler Independence was driven on shore by 'a hurricane,' and taken off by a shift of wind.

"'The account of the storm at Raratonga, in the Hervey Islands, in latitude 19° south, longitude 160° west, described by Mr. Williams and quoted by Colonel Reid, gives us, unfortunately, nothing further than the certainty that hurricanes (cyclones) prevail there at times.'"

Without quoting literally from this authority any further, from the same authority are collated the facts that in December, 1842, H. M. S. Favorite, between Tahiti and Mangeea, met with a rotary storm; in February, 1840, a cyclone, bearing southwestward, visited the Bay of Islands, New Zealand; July 28, 1849, H. M. S. Buffalo was wrecked in a heavy gale, which lasted three days, at Mercury Bay, New Zealand; rotary storms have been experienced between Van Diemans Land and Cape Horn; a heavy gale off Cape Tres Puritas, April 5, 1882; another in the same latitude and longitude, April tenth of the same year; one swept the Bay of Camavos to the Island of Desegada in May, 1846, during which twelve English and American vessels were lost. The record from which this data is taken, "Hurricanes of the South Pacific Ocean," by Alexander George Findlay, F.R.G.S., mentions the circumstance that in every instance where it was possible to

make observations these storms were rotary in their character, vessels being driven all around the compass in a gale, the course being from left to right. Information with reference to storms between 20° south of the equator and the Gulf of California is deficient. The conclusion is drawn, however, that the storms on the coasts of Nicaragua, Guatemala, and Mexico, are connected with the Gulf of Mexico, or perhaps originated there.

NOTES ON REVOLVING STORMS.

Diagram A—The spiral lines illustrate the circulation of the wind in a tropical cyclone, northern hemisphere. In the southern hemisphere the circulation takes place in the opposite direction. The diameter of the area represented may vary in different storms and in different latitudes from about one hundred to about eight hundred miles, and is generally least in low latitudes. The air is drawn in toward the center of low barometer, gradually takes up a more and more circular path as its velocity increases, and finally whirls around the center with hurricane force. At the center is a calm spot from ten to thirty miles in diameter; this is marked low, and here the lowest barometer is obtained. It will be noticed how similar the motion is to that of water in a whirlpool or eddy, and very naturally, as this is nothing but a gigantic whirlpool in the atmosphere, and the suction or draught at the center upward instead of downward.

The direction of the wind at any point on this diagram is the same as the direction of the curve at that point, and the arrows show this direction at the point where they are plotted. By plotting arrows at all points having the wind from the same direction—north, for example—and joining them by a dotted line, we find that this dotted line curves toward the center, as shown. The angle of bearing of the center, therefore, gradually decreases from about ten points at the margin to about eight points in the inner whirl, where the well known "eight-point rule" becomes true.

Diagram B—Here the dotted lines are drawn from each wind arrow at the margin to the center, in the way explained above, so that to find the direction of the wind at any point, follow out the dotted line to the margin, and read it there. The circles are isobars, and the barometer falls twenty one hundredths of an inch as you go from one of these circles to the next inner one. This illustrates very clearly the rate at which the barometer falls as you approach the center; first slowly, as the broad outer ring is traversed, then more rapidly.

Near the center, where the isobars are very close together, it has been known to fall an inch in fifty miles. Of course, as you recede from the center, the barometer rises .20 of an inch as you pass from one isobar to the next outer one, just as it fell on entering the hurricane. This diagram involves as much of our latest knowledge of cyclones as can be safely used as a general guide, and extends out beyond the regions where the barometer is falling rapidly and the wind and sea have become violent. These diagrams and the accompanying explanations only indicate how you may plot your position on the diagram, and obtain from it the probable bearing and distance of the center, and the track and velocity of the storm, leaving it to yourself to decide what action to take, having proper regard to the strength and speed of your ship, the lay of the land, and the passage you are making.

Practical use of Diagram B: Suppose that at 4 P. M., for instance, the wind is E.S.E., and the barometer .20 of an inch below the normal. Find at the margin of the diagram the wind arrow marked "E.S.E.," and follow the dotted line in towards the center as far as the isobar marked ".20 of

an inch below the normal;" this intersection (marked "a") is your position on the diagram; for, by the method of construction just explained, this is the place, and the only place, where the wind is E.S.E., and, at the same time, the barometer .20 of an inch below the normal. Referring to the compass and scale which accompany the diagram, you will find that the center (low) bears S.W. by S., distance two hundred and fifty-two miles. Plot this position of the center on your track chart from the 4 P. M. position of your vessel.

Later in the day, say 8 P. M., suppose that the wind is S.E. by E., and the barometer is .30 of an inch below the normal (having fallen .10 of an inch in the interval): With this wind your position must be half way between the dotted lines leading in toward the center from the arrows marked "S.E." and "E.S.E.," and with this barometer reading it must be half way between the isobars marked ".20" and ".40" below the normal; it is, therefore, at the point marked "b," and the center bears "S.W.," distance two hundred miles. Plot this 8 P. M. position of the cyclone center on your track chart from the 8 P. M. position of your vessel.

You have thus the position of the cyclone center at 4 P. M. and at 8 P. M. plotted on your chart, and the dotted line joining the two positions is the track of the center and the distance it has moved in four hours.

Suppose, again, that at 10 P. M. the wind is still from S.E. by E., but the barometer stands at .40 below the normal, having fallen .10 in two hours. Your position is now at the point marked "c" on the diagram, found by exactly the same course of reasoning as before, and the center now bears S.W., distant about one hundred and seventy-five miles. Plot this 10 P. M. position of the center on your track chart, from the 10 P. M. position of your vessel. If you have been lying-to, this will evidently indicate that the storm's track has recurved, and that you are directly in front of the center. But, no matter whether you have been lying-to or not, your vessel's track and the track and position of the cyclone center are both plotted on your chart, and you can closely watch every change in relative position in order to avoid the center and dangerous semicircle of the hurricane.

## NOTES ON REVOLVING STORMS.

The subject of revolving storms, cyclone, hurricane, or tornado, has been made the subject of a special bulletin of the Branch Hydrographic Office of this city. The information is for the special benefit of mariners, and it will be to their interest to note carefully the statements therein contained, and they can compare them with their experience. The following are the notes:

### EARLIEST INDICATIONS.

Barometer above the normal, and continuing so quite noticeably for several days, with dry, fresh, fair weather and uncommonly transparent atmosphere. The formation, in increasing quantities, of light, feathery, cirrus clouds, and the setting in of a long, low, ocean swell from the direction of the approaching storm. The long lines of filaments of cirrus clouds also often indicate the bearing of the storm-center while it is still hundreds of miles away, as they radiate from it on every side. As the cirrus clouds gradually thicken, halos begin to appear about the sun and moon, and the ocean swell increases.

UNMISTAKABLE SIGNS.

As the sky becomes overcast with a light vail of cirrus clouds, with halos and rings about the sun and moon, the barometer begins to fall, slowly but steadily. The atmosphere loses its pleasant freshness and seems very heavy, hot, and moist. Dark red and violet tints are seen at the rising and setting of the sun, deepening in intensity day by day. Soon the cloud bank of the storm appears on the horizon like a distant mountain range, the barometer falls more rapidly, the wind freshens, and the first nimbus and cumulus clouds appear, with light squalls and passing showers.

GENERAL RULES.

Watch carefully for the earliest indications of the approaching hurricane; constantly and carefully observe and record the barometer, thermometers, wind, and weather. When one is evidently approaching, heave-to, carefully make and record your observations every half hour, or even more frequently; make every effort to find the probable bearing of the center, direction in which the storm is moving, and the semicircle you are in. Unless you heave-to when thus observing the fall of the barometer and the shifts of wind, you may be led into serious error; a fast steamer, for instance, may run into the dangerous side of a hurricane and yet get shifts of wind characteristic of the navigable semicircle. Any attempt to cross the storm track is dangerous, but should you decide that it must be attempted, crowd sail and keep the wind well on the starboard quarter, if in the Northern Hemisphere, or on the port quarter, if in the Southern Hemisphere. If obliged to lie-to, always do so on the coming-up tack; in the dangerous semicircle this will be the starboard tack in northern latitudes, and the port tack in southern latitudes; the ship will head away from the center, and you should make all the headway you can; in the navigable semicircle it will be the port tack in northern latitudes, and the starboard tack in southern latitudes; the ship will head toward the center, and you should make as little headway as possible. In scudding, always keep the wind on the starboard quarter, if in northern latitudes, but on the port quarter if in southern latitudes, in order to run out of the storm. So long as the barometer continues to fall the center is getting nearer; when it steadies and begins to rise, this marks the nearest point, and here the shifts of wind will be most sudden and violent, and the sea highest and most confused. If when lying-to the wind begins to shift in a direction opposite to what it did at first, it is evident that the storm track is recurving, and that your semicircle has changed. Immediate action must be taken to suit the new conditions. But if your vessel is making any great headway, it may give you a shift of wind contrary to what you would have if lying-to. This must be borne in mind. In West Indian hurricanes cool weather is characteristic of the navigable semicircle, owing to the indraft from the northwestward; warm weather, on the contrary, indicates the dangerous semicircle, where the air is drawn in from the southeastward.

There are two cyclone currents to be considered—a current moving in a circular direction around the center, caused by the wind, and a current which follows the storm along its track. These vary considerably with different storms, but should always be taken into account when near the coast.

The rule for the determination of the semicircle is the same for both hemispheres; if the wind shifts to the right, that is, from north towards east, from east toward south, and so on, you are in the right semicircle; if

it shifts to the left, that is, from north toward west, and so on, you are in the left semicircle. In northern latitudes the right is the dangerous semicircle, and the left the navigable semicircle, but in southern latitudes the case is reversed, the left becoming the dangerous side and the right the navigable side. The following are general rules for guidance under ordinary circumstances:

*In northern latitudes, right semicircle.*—Haul by the wind on the starboard tack and carry sail as long as possible; if obliged to heave-to, do so on the starboard tack.

*Left semicircle.*—Bring the wind on the starboard quarter. Note the direction of the ship's head and steer that course. If obliged to heave-to, do so on the port tack.

*On the storm track, in front of the center.*—Square away and run before it. Note the course and keep it; trim the yards when the wind draws on the starboard quarter. If, however, obliged to heave-to, do so on the port tack.

*In rear of the center.*—Run out with the wind on the starboard quarter, or heave-to on starboard tack.

*In southern latitudes, right semicircle.*—Bring the wind on the port quarter. Note the course and keep it. If obliged to heave-to, do so on starboard tack.

*Left semicircle.*—Haul by the wind on the port tack. Carry sail as long as possible, and if obliged to heave-to, do so on port tack.

*In front of the center.*—Run before it. Note the course and keep it, and trim the yards as the wind hauls on the port quarter. If obliged to heave-to, do so on starboard tack.

*In rear of center.*—Run out with wind on port quarter or heave-to on port tack.

All of the above maneuvers depend, of course, on the amount of sea room and the ability to carry sail. If sail cannot be carried or land interferes, the ship should be hove-to on the starboard tack in the right semicircle, and on the port tack in the left semicircle, and never otherwise, no matter what may be the latitude.

The following, compiled from information on file in the Hydrographic Office, is supplementary to what was published in a special bulletin in 1888, having reference more particularly to storms in the Northern Hemisphere:

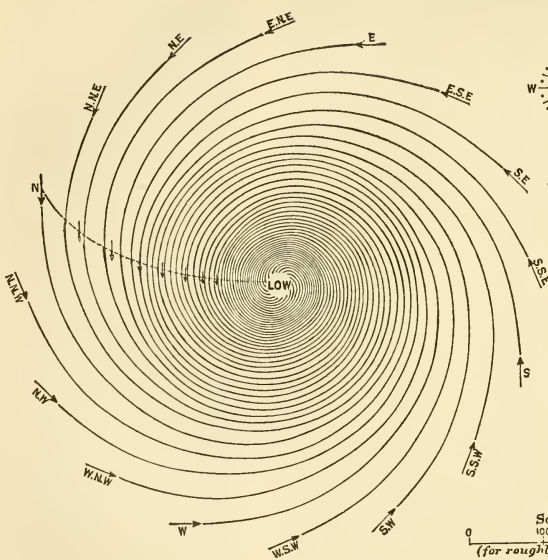


DIAGRAM A.—Illustrating the circulation of the wind around and toward the center of low barometer in a tropical cyclone, Northern Hemisphere. The dangerous winds occur in the inner whirls.

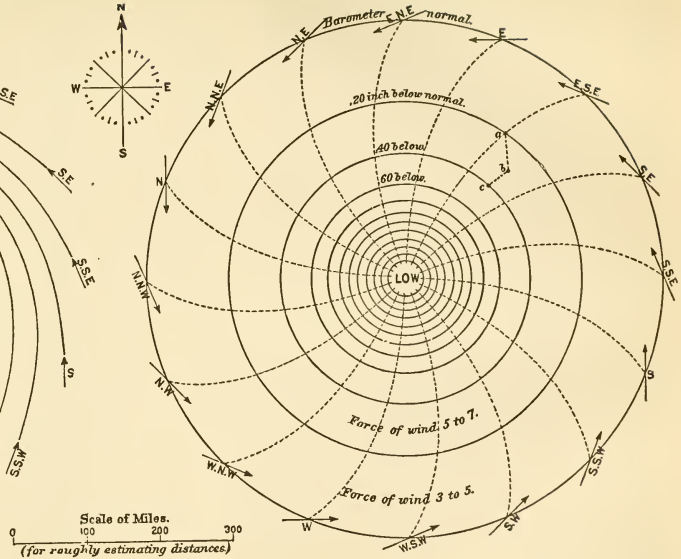


DIAGRAM B.—For practical use in finding a ship's position relative to the center of a tropical hurricane, Northern Hemisphere, by means of the direction of the wind and the fall of the barometer.

CORRECTIONS, ETC., OF THE ABOVE ARTICLE AS FURNISHED BY LIEUTENANT H. P. MCINTOSH, U. S. NAVY, AND OFFICER IN CHARGE OF THE U. S. BRANCH HYDROGRAPHIC OFFICE, SAN FRANCISCO.

SIR: I inclose you a copy of a "Bulletin" issued by this office, which contains some notes on revolving storms. Increased knowledge of the subject has made it necessary to modify somewhat the instructions for maneuvering in the rear of a cyclone. We find that in the rear of a cyclone, not only in the tropics, but in the temperate zones, the wind blows almost directly toward the storm center; so that it would be better to heave-to and wait for the cyclone to recede, in the meantime watching the shifts of wind to see that the storm is receding and not recurving; it might even be better to stand off close-hauled on the tack opposite to that recommended by the "Bulletin." The conclusions of the "Bulletin" were derived from the diagrams, which are, of course, only general, and not applicable as a guide for action in the rear of a cyclone. The trouble is that it is impossible to represent by a single diagram that the winds are more in-blowing in rear, because the rear is east in low latitudes; south in middle latitudes in the northern hemisphere; north in middle latitudes in the southern hemisphere; and west in high latitudes. To do so would require three diagrams for each hemisphere.

Very respectfully,

H. P. McINTOSH,
Lieutenant U. S. N., in Charge.

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## THE SAN FELIPE SINK, SAN DIEGO COUNTY, CALIFORNIA, AND ITS INTERESTING DETAILS AS A HEALTH RESORT.

The following article was taken from the "American Meteorological Journal" for March, 1889, published by Professor M. W. Harrington, Director of the Astronomical Observatory, Ann Arbor, Michigan:

Dr. Walter Lindley, in the "Medical Record," gives an interesting account of this tract, which lies below sea level. Dr. Lindley discusses it from the therapeutic point of view, claiming that in it the patient can get the curative effect of compressed air. As to its physical peculiarities, fauna, and flora, Dr. Lindley says:

Dr. J. B. Widney, of Los Angeles, while surgeon in the United States Army, crossed this region with troops twenty-one years ago. He then noticed surrounding this territory a well-defined line along the mountain sides, always at the same level. Above that line the rocks are sharp and jagged, showing that for ages the water had stood at that level. He says: "I found it to be the old beach of a sea." I find nothing else noted of this country until the surveying party of the Southern Pacific Railroad, in running the line from Los Angeles to Yuma, found that sea level was at the point where Dr. Widney had noted the ancient beach. They then gradually descended to the south until they reached a depression of two hundred and sixty-eight feet below sea level, at a point near Salton.

This basin is about one hundred and thirty miles in length by thirty miles in average width. The deepest point is about three hundred and sixty feet below sea level. Along the northern margin of this basin, right up against the mountains, are great numbers of date palms. These tropical trees are indigenous to this valley, and many of them reach a height of eighty feet. When ripe, a single bunch of the fruit weighs one hundred pounds. It has a taste very similar to the date palm of commerce. The tree has large fan leaves, and is the same as can be seen in almost every park and yard in the towns of Southern

California. The passenger on the Southern Pacific Railroad, by glancing out of the north side of the car at Indio, can see these giant sentinels keeping silent vigil over the plains beneath them.

At Salton, on the Southern Pacific Railroad, the surface of the earth for nearly ten miles square is covered with a crust of salt from four inches to a foot thick. I stopped there in midsummer, and went out on this great white field about noon. The mercury indicated 105 degrees Fahrenheit in the house, but out in the sunshine, with the dazzling reflection from the glistening surface that extended for miles on each side, the temperature was probably 130 degrees Fahrenheit. The workmen out in this peculiar harvest field were as cheerful as any set of men I ever saw, and there was far less exhibition of suffering from heat than is to be seen, ordinarily, in July in the wheat fields of the Mississippi Valley. The low relative humidity explains the total absence of sunstroke here. The atmosphere in this region, adulterated by the chlorine gases emanating from the salt beds, must be nearly aseptic. There are extensive mills here for grinding the salt. It is not put through any system of purification, but, after grinding, proves to be excellent for table use. Several hundred tons are thus prepared every month, and shipped away.

A few miles east of here are the famous mud volcanoes, which are equal in wonder to the geysers of this State. Owing to the treacherous character of the ground around them they have never been thoroughly examined. Professor Hanks, the State Mineralogist, undertook it, but, breaking through the crust, he was so severely burned that he was compelled to abandon his investigations. Here is an extensive, almost unexplored field for some adventurous scientist.

Indio is the place to stop and make headquarters for tours through this interesting country. It is the principal station in the valley, and is near the northern rim of the basin, being only twenty feet below sea level. The sandy plains around Indio were formerly considered a hopeless barren waste, but the advent of the railroad has made great changes. Good water is supplied by surface wells; but in order to have water for irrigation, artesian wells have been bored. There is one, two and three fourths miles east of Indio, that is now flowing one thousand gallons per hour. This flowing water was reached at a depth of only one hundred and fifteen feet, after boring through layers of sand, clay, sand, tough blue clay, clay, coarse gravel, clay, and sand. Oranges and various other kinds of fruit are being grown here, and melons, tomatoes, and berries ripen several weeks earlier than at Los Angeles and other places near the coast. There are in this vicinity about forty thousand acres of excellent land. The visitor here, on witnessing the water flowing from the artesian wells, the grass growing, the melons ripening, and the peach trees blooming, can fitly say with Isaiah: "The Lord shall comfort all the waste places. He will make the desert like the garden, and the desert shall rejoice, and bloom as the rose. For in the wilderness shall waters break out, and streams in the desert. And the parched ground shall become a pool, and the thirsty land springs of water."

In this valley live about four hundred of the Cohuilla Indians. This is an interesting tribe. Dr. Stephen Bowers, in a paper read before the Ventura County Society of Natural History, March 5, 1888, said that he believed them to be of Aztec origin. They are sun and fire worshipers, and believe in the transmigration of souls, and that their departed friends sometimes enter into coyotes, and thus linger about their former habitation. They practice cremation. Their principal article of food is the mesquit bean, which they triturate in mortars of wood or stone, after which the meal is sifted and the coarser portion is used as food for their horses and cattle, and the finer is made into cakes for family use.

The agave, or century plant, which is indigenous here, is also much used for food. The roots, roasted, taste like stewed turnips, while the stem, roasted, is said to taste like baked sweet potatoes. From this plant they also make the Mexican beverage, *pulque*, which has about the same alcoholic strength as beer. The ethnologist can, by gaining their confidence, get much interesting information from these very peaceable Indians.

I found at Salton and Indio asthmatics, rheumatics, and consumptives, all of whom reported wonderful recoveries. Some of these stories I accepted *cum grano salis*, which quotation is, by the way, especially applicable to the salt fields. These asthmatics and consumptives claim that the further they get below the sea level and the drier the atmosphere, the easier they breathe. The rheumatics claim that the heat and dryness improves the circulation, and thus relieves them.

Among other places below sea level, Lindley notes the sink of the Amorgosa (Arroyo del Muerto), in eastern California, two hundred and twenty-five feet below sea level. The Caspian Sea, eighty-five feet below sea level. Lake Assal, east of Abyssinia, in the Afar country, eight miles long and four miles wide, is about seven hundred and sixty feet below sea level. Its shores are covered with a crust of salt about a foot thick.

## WEST INDIAN HURRICANES AND THE MARCH BLIZZARD OF 1888.

From "Forest and Stream."

On February 9, 1889, a most interesting lecture was delivered by Ensign Everett Hayden, U. S. N., in charge of the Division of Marine Meteorology of the U. S. Hydrographic Office, before the Seawanhaka Corinthian Yachting Club, the subject being "West Indian Hurricanes and the March Blizzard." The lecture was very fully illustrated by a series of lantern slides prepared from Mr. Hayden's diagrams and exhibited by Mr. William T. Buckley, a member of the club. Through the kindness of Mr. Hayden we are enabled to give the following abstract of his lecture, its length being too great to allow its publication in full:

As a lecture, to be delivered at a future time, will be devoted to the general subject of winds and storms, a very much more comprehensive one than that now under consideration, it is to be hoped that a somewhat detailed description of the terrific tropical cyclones that devastate the West Indies and advance upon our Gulf and Atlantic seaboard will be a fitting introduction to a broad general outline of the meteorology of the globe, to which the present lecture is merely preliminary. Moreover, it was by the study of these very storms that an American, William B. Redfield, won imperishable renown and the everlasting gratitude of mankind by discoveries that have proved to be the very foundation stone of the great science of meteorology as it is known and practically utilized to-day, at sea and on land, in every ocean and continent of the globe to which the arts and sciences of civilization have access.

The first three slides, modifications of the familiar pilot charts of the North Atlantic, will serve to make clear the general distribution of barometric pressure and the circulation of the winds over the entire basin of the North Atlantic and the adjacent continents during winter and summer, together with the general paths followed by storms, and the regions where they are most prevalent and persistent. Special attention is called to the great persistent anti-cyclone, or area of high barometer, in mid-ocean to the southwest of the Azores, about which the general atmospheric circulation is in a direction with the hands of a watch, giving rise, below, to the well known steady northeast trades, and above, or to the northward, to the prevailing westerly winds along the transatlantic steamship routes—the "brave west winds" of the north temperate zone. Another marked feature is the permanent area of low barometer about Iceland, a great stationary cyclone about which the circulation of the wind is against the hands of a watch. To the southward, about the equator, lies what Maury has called the meteorological equator, the region of equatorial rains and calms at the meeting of the southeast and northeast trades, where the warm, steady trade winds, laden with moisture from their long travel over tropic seas, rise and precipitate their moisture, returning polewards as an upper current, to descend again to the surface and be felt as cool, dry, anti-cyclonic winds. The position of this great anti-cyclone in mid-Atlantic is the key to the meteorology of half the civilized world; the diagrams indicate its normal or average position, and illustrate how it follows that great monarch of climate, the sun, in his changes of declination, moving north-

ward in summer and southward in winter. But they do not illustrate the abnormal variations in its position, due to, we know not what, though we do know that the storms of America and Europe are guided by it, and the next great step in advance will be to turn this knowledge to practical account in our forecast of weather on the North Atlantic, and along its eastern and western shores.

In addition, then, to those permanent areas of high and low barometers, eddies or atmospheric whirls move along pretty well defined tracks, as indicated on the diagram; cyclones, or "lows" (in ordinary parlance, storms), sucking the air spirally inward and whirling it aloft, its moisture condensing into heavy clouds, with rain or snow; anti-cyclones, or "highs," returning the cool, dry air to the surface in outward blowing spirals, with cool dry weather and high barometer. The two storm tracks of spiral interest in this connection are: first, the Great Lake storm track, from west to east over the Great Lakes and down the St. Lawrence Valley; and, secondly, the West Indian hurricane track, westward in the tropics, then northward into the temperate zone, and eastward again in higher latitudes. Cyclonic eddies tend to move toward and unite with the permanent "low" near Ireland; anti-cyclonic, with the permanent anti-cyclone in mid-ocean. Upon these general laws, together with local modifications due to topographic relief ashore and the influence of the great ocean currents at sea, hang all the weather changes of the North Atlantic basin.

After this general view the lecturer said that he proposed to confine his attention to the western portion of the ocean, that portion which an eminent American scientist has well called the "Bay of North America." This term embraces all of the Atlantic west of the fiftieth meridian, from Newfoundland to the mouths of the Amazon, including the Caribbean Sea and the Gulf of Mexico. He did not propose, he said, to leave to a postscript what he himself regarded as by far the most important point that any thorough study of West Indian hurricanes and the March blizzard could possibly emphasize, namely, the tremendous commercial importance of this great Bay of North America. The area from the fiftieth to the one hundredth meridian west of Greenwich, and from the equator to the fiftieth parallel of north latitude, is destined to become, in the near future, the theater of the greatest political and commercial activity that the world has ever seen. Meteorologically speaking, it is a unit from the slopes of the Rockies and the Cordilleras of the Isthmus to mid-ocean, and from the shores of the Hudson Bay to Venezuela. Abercromby, the distinguished English meteorologist, has well said that the weather predictor "cannot explain the weather on any day without casting his eyes over the whole northern hemisphere and around the little hills and valleys which bound his own horizon." Urging his hearers to bear this in mind during his subsequent remarks, and promising to refer to the subject again, he went on to describe Redfield's great discoveries, the methods by which his results were obtained, and their immediate and practical effect in advancing meteorological knowledge and lessening the dangers of ocean storms.

Although it is now generally recognized that Redfield had reached his fundamental conclusions regarding the rotary character of storms, together with a motion of the whole system along a definite track, as early as 1821, yet his first paper did not appear in print till 1831, and was even then unaccompanied by the diagrams so necessary in the then state of knowledge, or rather ignorance, of the subject. Nevertheless, most of his earliest papers were accompanied by such full statements of methods and facts that any one could plot the observations on a chart and thus verify his conclusions for himself. To illustrate his method, therefore, Mr. Hayden selected one

of his later diagrams, entitled "Route of the Hurricane, October 4–7, 1844," and projected it upon the screen. Upon this chart Redfield had charted by means of arrows, plotted each one at its proper geographic position, observations of wind direction selected for certain fixed times from a large number of reports, extracts from ship's logs, etc., collected with infinite perseverance and care from as many sources as were accessible. Thus three sets of concentric circles are seen at a glance to represent the general size and character of the storm at noon of the fifth, sixth, and seventh of October, respectively. Moreover, the tracks of certain vessels are plotted, in order that the experience of each may be considered with reference to the circulation of the wind about the storm center and the gradual movement of the whole system along a curved track. Thus we have here on Redfield's chart as clearly and graphically as could be indicated from the data at his command by the most able meteorologists to-day, the whole theory and practice of all our modern synchronous daily weather maps upon which predictions and forecasts are based and spread abroad by telegraph and newspapers to form part and parcel of the daily life of millions of men in every land. October fifth, a cyclone central off the northern coast of Cuba, easterly gales in Florida, northerly in western Cuba, westerly in Jamaica, southerly in eastern Cuba. October sixth, cyclone central two hundred miles southeast from Hatteras, general circulation of wind about the same as before (against the hands of a watch), northeasterly gales from Sandy Hook to Hatteras, northwesterly gales from Hatteras to Cape Romaine, size of storm somewhat greater. October seventh, storm central about one hundred and fifty miles southeast from Halifax, increasing southeasterly gales on the Grand Banks, strong nor'wester between Cape Sable and Nantucket, storm area enlarging and intensity diminishing. How marvelously clear. What a perfect grasp of facts and what a grand practical generalization from facts to principles. It would, indeed, have been small credit to the age in which he lived had such self-evident truths failed to find ready acceptance and prompt appreciation.

The terrific violence of this hurricane was sufficiently indicated by the havoc it caused in the landlocked harbor of Havana, a port absolutely unrivaled for the security of its anchorage; in this ten hours' tragedy seventy-two ships foundered at their anchors—capsized, dismasted, driven ashore, annihilated by the fury of the hurricane. This is a splendid landlocked harbor, and in spite of all that human strength and skill could do aboard, the various vessels of a great fleet, fighting under every flag and allied against a common foe, were wrecked and shattered by the hurricane. Attention was called to a coincidence of marked importance between the date (1844) of this great storm, so fully and graphically explained by Redfield, and the very year that witnessed the completion and assured practical success of Professor Morse's telegraph line between Washington and Baltimore. Right here we have the two great practical discoveries upon which all modern telegraphic weather forecasts depend—the synchronous observations and records, and the electric telegraph which transmits them.

Without attempting to follow this gigantic whirlwind in its destructive path towards Hatteras and the Grand Banks, the speaker paused a moment to refer to Redfield himself, and read an extract from a very interesting letter from Rear-Admiral Thornton A. Jenkins, U. S. N. (at that time a passed midshipman), an officer whose distinguished record at home and abroad, in peace and in war, is well known to every student of American naval history. Admiral Jenkins describes Redfield as a quiet, retiring, and reticent man, but always eloquent and patient in explaining the great truths of his new—and in the then ignorance of the subject—startling theories.

It seems almost incredible that at that time the great majority of naval officers, even, utterly refused to believe in or even listen to any theories regarding storms at sea or on land, and regarded a barometer as more or less of a nuisance. As late as 1850, Admiral Jenkins, says a naval officer, who afterwards became one of the most distinguished heroes of the war, asked him if he put any faith in "that thing." "Why, when I was in the Gulf and at Vera Cruz," said he, "that d——d thing nearly set me crazy."

The next diagram shown upon the screen was one of Redfield's track charts, with the path of various hurricanes, illustrating as graphically as anything could well do the general limits of the great area already defined as the Bay of North America, the tracks along which these terrific cyclonic storms move in their majestic parabolic orbits from the tropics into the temperate zone, and the essential unity of the entire area, so far as any broad and rational scheme of telegraphic weather forecasts is concerned. This latter fact, however, was referred to and emphasized still more strongly later on, in connection with a full description of the physical and meteorological features of the Bay of North America, and the existing and proposed telegraph lines and cables, so it need not be referred to further here. Attention was called to the fact that, while some of these storms pursued a course about west by north across the Caribbean Sea and Gulf of Mexico, reaching the coast of Texas before recurving, others recurve in various latitudes, the greater number about the thirtieth parallel, following a path very nearly coincident with the course of the Gulf Stream, and approximately parallel to our Atlantic Coast line. Again, a careful study of the dates of even the comparatively few storm tracks plotted on this chart brings out the fact that the August hurricanes recurve well to the northward, about the thirtieth or thirty-third parallel, while those of October recurve in about the latitude of Cuba. These important general laws, dependent upon the change of the sun's declination, have been strongly confirmed by subsequent investigation, and were discussed in greater detail later in the evening. One other feature of this chart that was referred to particularly, was the notable irregularity in the track of the hurricane of August, 1887, which, after having already commenced to recurve in the usual manner, was unexpectedly deflected to the westward, striking the coast of Georgia at Darien. This circumstance the audience was requested to bear in mind in connection with similar deflections of certain recent hurricanes, when the principles governing such deflections would be fully explained.

The next diagram was a copy of the Pilot Chart of the North Atlantic Ocean for August, 1888, on which were plotted the tracks of all the August hurricanes on record, strikingly confirming the fact brought out by Redfield's chart, that these tracks are remarkably uniform, both in their general course and in the latitude where they recurve.

Diagrams from Colonel Reid's well known book on storms served to illustrate the way in which able, practical, and scientific men took up Redfield's ideas, and propagated his new and important theories among navigators, for their guidance at sea in avoiding altogether, or maneuvering successfully in ocean storms. Colonel Reid was an officer of the Royal Engineers of Great Britain, and his attention was first directed to this subject from having been employed at Barbadoes in reëstablishing the Government buildings blown down in the hurricane of 1831, when one thousand four hundred and forty-seven persons lost their lives in the short space of seven hours, in that little island alone; a striking commentary, in itself, of the destructive character of these gigantic tornado-like whirlwinds. The diagrams were especially graphic in clearly defining the broad belt or swath

described by a hurricane in its outward progress, the storm tracks previously referred to constituting merely the axial line of the belt. The first was a hurricane of August, 1837, and a graphic account was quoted, with illustrations, of a thrilling experience of the ship Calypso, typical of hundreds of similar cases in hurricanes in the West Indies and off our own coast in the past, and repeated every year almost before our very eyes. The Calypso was in about latitude 27° north, longitude 75° west, when a rolling swell, freshening northeasterly squalls, and other signs of a hurricane, would have warned a captain posted in the law of storms to square away and make the best of his way to an anchorage at Nassau or run around along the southern edge of the approaching cyclone. But this was before sailors knew anything about circular storms, and before the Hydrographic Office had spread broadcast over the world the marvelous results obtained by using oil to prevent heavy seas from breaking on board. The ship's decks were swept by the seas, her close-reefed topsail blown from its bolt ropes, hatches stove in, the vessel thrown on her beam ends, with yard arms in the water. With her crew of fifteen men clinging to the weather rigging, mastheads in the water, a furious hurricane dashing the waves over them in sheets of foam, and the vessel sinking beneath their feet, it seems hard to believe that any epitaph but "missing—lost at sea" would ever have been inscribed against their names. But truth is always strange, stranger than fiction. Upon cutting away the lanyards of the lower rigging the masts went by the board and the vessel slowly righted. As the gale moderated, jury masts and sails were rigged, and in two weeks' time, after the hardships and sufferings incident to such a condition, the gallant ship (what was left of her) came to anchor in the harbor of Smithville, North Carolina.

Another of Reid's diagrams gave the paths of two of the memorable hurricanes of October, 1780, as indicated by extracts from the logs of the many British frigates cruising in those waters at that time. The one that destroyed the town of Savanna la Mar, Jamaica, was particularly severe, and in the vicinity of that island four frigates were lost, three of them with all on board. The Phœnix, wrecked on the south coast of Cuba, had a terrible experience, and the long account of it by Lieutenant Archer, R. N., published in Reid's book, should be read in full, as no quotations could do it justice. One's feelings relative to the loss of this fine frigate, however, are somewhat tempered by the cool way in which Lieutenant Archer speaks of having chased a Yankee man-of-war a short time previously, which, "unfortunately," escaped in the darkness.

Two years later (1782) occurred one of the greatest naval disasters on record, and the lecturer said that—after referring to it very briefly in order to emphasize the vast importance to navigators of a knowledge of the law of storms, rather than with any desire to appall the audience with statistics—he would be obliged to omit all further reference to the accumulated records of the succeeding hundred years and devote to the immediate present what little time remained. The disaster referred to he quoted from Piddington's "Sailor's Horn Book," another of those classic manuals that have translated and made intelligible to rough practical men the great and important truths of pure science, whose lofty reasoning and diction would in themselves be as unintelligible as so much Sanscrit. Rodney's fleet and prizes, together with an immense convoy of merchantmen, in all ninety-two vessels, were overtaken by a hurricane off the Grand Banks in September, 1782; all preparations for bad weather were made and the fleet hove-to, but on the wrong tack. Frigates, prizes, and convoy were dismasted, sunk, scattered, abandoned; every man-of-war but one foundered, and upward of three thousand lives lost. Hove-to on the wrong tack. What an epitaph,

and what a lesson for posterity! Truly, "peace hath her victories no less renowned than war," and if Redfield has still no monument erected in his honor, it must be because he needs none.

Mr. Hayden then explained by means of diagrams prepared in his division, and published by the Hydrographic Office, the circulation of the wind in a tropical cyclone, northern hemisphere, upon a knowledge of which the proper handling of a vessel depends. As a good illustration, the experience of the United States steamer Juniata was cited. This vessel is now in New York harbor, having recently returned from China, where last September she encountered a severe typhoon during her voyage from Hongkong to Singapore. The diagrams illustrated graphically the structure of those great whirlwinds, so far as concerns the navigator, showing that while in the outer regions of the storm the wind blows spirally inward, in the central regions it rushes furiously around a calm spot called the eye of the storm, where there is a fearful pyramidal sea, the waves rising and falling in mountainous and irregular masses, oftentimes with a clear sky and bright sunlight to enhance the strange and unnatural calm in the midst of a ring where the wind is blowing a hurricane, the sea lashed into driving foam, and the sky of inky blackness. The diagram indicated how aboard a vessel to the right of a storm track, the wind shifts to the right (veers), and to the left it shifts to the left (backs). Directly in front of an advancing storm the wind remains steady in direction, but increases rapidly in force, with light scud and passing squalls. By means of these and many other characteristic indications the navigator can ascertain with considerable accuracy the bearing of the storm center and the approximate track and velocity of the cyclone. He is thus enabled to take such action as may be best adapted, considering the particular circumstances of the case, to avoid the most dangerous region of the storm, and as a secondary consideration take advantage of such winds as may help him on his course. One of the most important circumstances the practical navigator has to consider in dealing with a hurricane is the lay of the land, and, of course, the proximity of a dangerous coast must often prevent him from taking such action as would be most advantageous if there were plenty of sea room. In the case of the Juniata, Commander Wise stood away to the southward to avoid the typhoon, and at the same time make headway on his course to Singapore, and, finally, rather than cross the entrance to the Gulf of Tonquin, where the sea would be very heavy, hove-to in the lee of Hainan Island, and rode out the storm under a full head of steam. The fore storm-staysail, set to steady the vessel, was carried away, and four boats were torn from their davits. Hatches battened down, vessel shipped sea after sea, till oil was used in bags towed from the weather bow. Weather thick and misty, with continuous heavy rain. The critical examination and analysis of the action taken by steam and sailing vessels encountering such storms, under the many and constantly varying conditions that occur in actual practice, the rules that govern such action, and the results that follow it, furnish the very best, and indeed only, method of impressing upon masters of vessels the vital importance of this branch of their profession. Practical men want practical information, with concrete, definite examples drawn from real life, with details familiar to their own individual experiences. The lecturer was willing, he said, to submit this proposition to his audience, and to ask if such instances, taken from the records of the Hydrographic Office, with names, dates, positions, and all details given, were not infinitely more effective in impressing such facts upon the mind than some ideal imaginary situation gotten up to suit some particular line of argument, and, perhaps, never likely to occur in actual practice.

Now, the records of the Hydrographic Office contain hundreds—he might almost say thousands—of such reports, more complete, probably, than similar records in any other office in the world, and he regarded it as worthy of an earnest effort on the part of all concerned to see that means were provided for their publication and circulation among the hundreds of voluntary observers who have willingly contributed their time and services in taking and recording their observations day after day, month after month, and year after year, aboard vessels in every ocean of the globe.

To illustrate the special dangers of navigation in the West Indies, the birthplace and natural habitat of these terrible storms, a copy of one of the Hydrographic Office charts was projected upon the screen, and attention called to the intricate and dangerous character of navigation in these waters. Remembering the circulation of the wind in one of these cyclonic storms, it will be readily seen that every hurricane that skirts the West Indies and the Atlantic seaboard of the United States, is sure to put hundreds of vessels in danger of being driven on a lee shore, and lost beyond all human power of deliverance. Just such tracks were those followed by the two hurricanes of August, 1887, which were then exhibited, plotted from more complete and reliable data, by far, than have ever been collected in connection with any hurricanes on record. The tracks of only a few of the many vessels from which reports had been received were shown upon the same chart, and served to give some idea of the completeness of the data. Of these, the first originated off the coast of Africa, about the Cape Verde Islands, August thirteenth, and moved at a high rate of speed westward, across the Atlantic, recurving east of Florida, striking Cape Hatteras with furious energy on the twentieth, carrying havoc among the gallant fishermen off the Grand Banks on the twenty-second, and passing to the northward of the British Isles and coast of Norway on the twenty-ninth and thirtieth—a track more than seven thousand miles in length. What a tremendous engine of destruction!

"Let us," said the speaker, "watch its original progress. Imagine to yourself a hot, sultry August day in the tropics, off the Cape Verde Islands, at about the northern limit of the belt of equatorial rains and calms, where the northeast trades have become fitful and irregular. The uniformity of the trade sky is disappearing, and the little masses of cumulus clouds that have flecked the sky from zenith to horizon gather together here and there, as if undecided what to do, and now and then rise in tall, massive columns, that grow before the eye and mount higher and higher, till one lazily wonders how high they will rise above their broad level bases before they reach some upper current that will scatter their beautiful crests and spoil their snow-white symmetry. In the distance an occasional dark mass is seen, from which heavy rain is falling, with sometimes a broad flash of sheet lightning. In one of the tall masses of cumulus, off to the westward, taller and more majestic than its mates, a slow gyratory motion can be detected, which, gathering strength, rapidly draws in the warm air from below, saturated with moisture, and sends it aloft into cooler and cooler regions, to add rapidly to the growing and darkening mass of clouds. A new feature catches the eye; long, graceful, snow-white, feathery plumes reach out at the top of the mass, projected against the deep, clear azure sky. Beneath them the sharp rounded, upper edges of the now dark and threatening cumulus begin to grow misty and indistinct, and the inner shafts of the radiating cirrus plumes are lost to sight in this now misty vail. Gradually faint, and then sharp, dark, horizontal lines appear against the cumulus, and rapidly grow into stratus clouds, as though a fine rain were falling and settling at the level. Below, the distant horizon is now obscured by heavy rain.

Off to the northeast some little trade-wind clouds are moving this way; watching them a moment, as they rise toward the zenith, some mysterious force over there to the westward seems to attract them, and their paths curve that way. What does it mean? you say, and looking in that direction you see more little patches of scud moving across from left to right, and notice that a breeze is springing up from the east, while the barometer is falling slightly, and the whole great mass of clouds is moving westward. A hurricane has had its birth, a great cyclonic storm has started on its westward march toward St. Thomas, Hatteras, Cape Race, and Norway. One of our western tornadoes is to this monster as an electric light to the noonday sun, and all the tornadoes in the records of the Signal Office, rolled into one and added to it, would hardly add appreciably to its energy.

"Whirling along its ocean pathway at an average velocity of nearly twenty miles an hour, it sends out a long rolling swell a thousand miles in advance, and is heralded by long, high feathery plumes of cirrus clouds, radiating far beyond the slowly thickening cirrus vail that casts its pale halo over sun and moon, and at dawn the twilight envelops heaven and earth with an awful fiery glare, like the light of some great conflagration. Soon the massive leaden-colored cloud bank heaves in sight above the horizon, a great mountain range—Ossa piled upon Pelion—and flying scud forms overhead and drifts to leeward, not with the surface wind, but at a marked angle to the right, moving with the upper currents of the great whirlwind. At intervals fine misty rain seems to grow out of the air, and then vanishes again, and the squalls freshen. The barometer sinks lower and lower, heavy clouds cover the whole horizon, and the low distant moan gradually changes into the shrieks of a thousand demons wrenching at the stout masts and spars, tearing the strong canvas into shreds and fluttering pennants, hurling timber and masonry into heaps of shapeless ruins, driving wild breakers high up on land, and laughing to scorn the feeble strength of man. Suddenly a pause. Silence. Calm. The warm, bright sunshine of a summer day. A brief glimpse of heaven. And then another seeming eternity of hell. As is often the case, a second hurricane succeeded the first after a few days' interval, following approximately the same track." Time did not allow the speaker to go into any detailed description of either one, although each would be well worthy of a volume.

The lecturer then spoke briefly of his visit to Cuba during September and October, 1888, under orders from the Secretary of the Navy, issued at his own urgent application. These two months constitute the latter half of the hurricane season, and October is specially dreaded because of the fact, already mentioned, that October hurricanes recurve in just the latitude of the island, which they cross from south to north, retaining all the furious intensity that marks their paths at sea. The very day that he sailed from New York the great September hurricane had just swept across the island from east to west, and was expected to recurve across the peninsula of Florida and reach the Gulf Stream again off Hatteras. Diagrams were given to show the remarkable deflection of this cyclone toward Vera Cruz, and the track of another one that followed close after the first but recurved about as usual. Various diagrams and illustrations were given in the effort to convey some idea of the summer climate in the City of Havana, the historic, picturesque old Spanish capital of lovely Cuba, "la Perla de las Antillas," and to describe some of the leading results of the studies of Padre Viñes, the eminent Havana meteorologist, whose scientific ability, indefatigable energy, and unrivaled opportunities have linked his name so inseparably with all recent advances in our knowledge of these storms. Indeed, the lecturer had himself suggested coining the word "Viñess," to express

for our tropical storms what the word "typhoon" does for those of China, in honor and recognition of the distinguished services of his esteemed friend, the Director of the Meteorological Observatory of the "Colegio de Belen."

Regretting that his limited time did not allow him even to mention the many other incidents of his month's stay in Havana, Mr. Hayden returned to the subject of the deflection of hurricanes from their normal paths, a subject of infinite importance, both theoretically and practically. To select a case that admirably illustrated exactly what was meant, how and why the deflection took place, and the manner in which it was possible to anticipate and predict it, he illustrated by means of six synchronous weather charts, shown upon the screen together, the weather conditions at noon, G. M. T. (7 A. M., seventy-fifth meridian time), October ninth to fourteenth, inclusive, 1886, during which time one of the most severe hurricanes ever experienced in the Gulf of Mexico originated south of Cuba and west of Jamaica, recurved in the usual latitude, off Cape San Antonio; but then, completely foiling Padre Viñes' published predictions, turned to the westward, swept over the entire Gulf of Mexico and up the Mississippi Valley to Lake Huron and the St. Lawrence Valley. Only the other day a report was received from Captain José Riera, with graphic details regarding the loss of his vessel, the Spanish bark Tres Auroras, in the very vortex of this terrific storm about one hundred and twenty miles north of Cape San Antonio, and the marvelous escape of six of the crew—thirteen in all—after tossing about for four days on wreckage from his vessel. The charts showed that a strong anti-cyclone had prevailed over the middle Atlantic States, and that it was this that had blocked the track of the advancing cyclone and forced it westward before allowing it to go north, so that it eventually reached the Atlantic by way of the great lakes and the St. Lawrence Valley.

These same considerations were shown to have held good in other cases, notably that of the great Cuban hurricane of last September, and the comparatively recent hurricane that devastated our Atlantic seaboard the last few days of November, blocked in its northward progress by an anti-cyclone over the Gulf of St. Lawrence, and venting its baffled rage upon the Samana and a dozen other vessels, sent to the bottom with all on board, almost in sight of their homes, firesides, and friends. The physical explanation of this interaction between cyclone and anti-cyclone is simple enough, and lies in the fact that the fuel of the cyclonic furnace is warm, moist, ocean air, which ascends, precipitates its moisture, and is carried away in the upper atmospheric currents, to descend again in the anti-cyclone or "high" as cool, dry air. Just as a great forest fire changes its course when it meets a clearing and dies out or runs around it, so a tropical cyclone follows the lines where its fuel is most abundant, and rages with greatest intensity where the tropical sun and tepid ocean currents load the heavy atmosphere with moisture. In the words of Shakespeare, that immortal painter of the smiles and passions of nature and mankind, "The sun's a thief, and with his great attraction robs the vast sea."

Four synchronous weather charts, prepared from hundreds of reports received from vessels off our coast during the November hurricane, presented at a glance the most striking features of that great storm during the period of greatest intensity, and the progress or growth of the hurricane in the direction of heaviest rainfall was illustrated by a weather map for August 21, 1888.

The March blizzard, one of the most notable storms of the century, and of a very different type from those that had just been considered, was illustrated by means of six lantern slides, in colors, showing the progress from west to east of a long line or trough of low barometer, extending

from Hudson Bay to the Gulf of Mexico, moving toward the Atlantic at the rate of six hundred miles a day, in the form of a great arched squall, whose front was more than a thousand miles in length, in front southeasterly winds drawing supplies of warm, moist ocean air from far down within the tropics, and in rear a long battalion of cold, northeasterly gales, carrying temperature below the freezing point far down the line into Louisiana and Mississippi. The speaker dwelt upon the enormous increase in the energy of the storm when it reached the Atlantic, the terrific combat between Arctic and Gulf Stream forces, and the obstruction encountered by the center of the line in the form of a stationary anti-cyclone about Newfoundland. A track chart, giving the tracks of vessels, and a barometer diagram, illustrating the fluctuation of the barometer at selected positions ashore and at sea, were discussed, and it was stated that one hundred and thirty-eight vessels were blown ashore, sunk, or damaged along the coast of the United States north of Hatteras. Off the coast, west of the fortieth meridian, some twenty vessels were sunk or abandoned, among them the gallant New York pilot boats, Phantom and Enchantress, and the yacht Cythera, with all her brave crew—friends and fellow yachtsmen of his present audience and old members of the Seawanhaka Club. Among the abandoned vessels was the American schooner W. L. White, and this derelict vessel commenced a long, aimless voyage across the Atlantic, at the mercy of the winds and currents, with no hand at the helm by day and no lights at night to warn navigators of their danger. Ten months and ten days later, after wandering more than five thousand miles, she stranded on one of the little rocky islands of the Hebrides, off the northwest coast of Scotland, and has thus completed the last act of this great ocean tragedy.

The following conclusions were quoted from the speaker's monograph description of the great storm, recently published by the Hydrographic Office: "It has enforced in most unmistakable terms the importance, not only to our extensive shipping interests, but to the people of all our great seaboard cities, of the establishment of telegraphic signal stations at outlying points off the coast; at St. Johns (or Cape Race) and Sable Island, to watch the movement of areas of high barometer, upon which that of the succeeding 'low' so largely depends; and at Bermuda, Nassau, and various points in the West Indies and Windward Islands, that we may be forewarned of the approach and progress of the terrific hurricanes which, summer after summer, bring devastation and destruction along our Gulf and Atlantic Coast, and of whose fury this great storm is an approximate example and a timely reminder. Moreover, there are other important objects to be gained, in addition to the better forecasting of stormy weather off our coasts and along the transatlantic routes. Every edition of the Pilot Chart records the latest reported position of numerous derelict vessels and other dangers to navigation—submerged wrecks, buoys adrift, icebergs, and masses of field ice. But at present such reports are necessarily several days old, and the present positions of these dangerous obstructions must be roughly estimated, allowing for their probable drift in the interval of time that has elapsed since the report was made. There are recorded, also, the probable limits of frequent fog for the ensuing month and the regions where fog was most frequently reported during the preceding month. But general averages only give the regions where fog is most likely to be encountered; they do not and cannot attempt to state whether or no there will be a fog at a given place at a given time. But scientific research and practical inventive genius, advancing hand in hand for the benefit of mankind, have discovered not only the laws governing the formation of the dense banks of fog that have made the Grand Banks dreaded by naviga-

tors, but also the means by which certain facts may be observed, telegraphed, charted, and studied a thousand miles away, and the occurrence of fog predicted with almost unfailing accuracy, even while the very elements themselves are only preparing for its formation. By means of such predictions the safety of navigation along the greatest highway of ocean traffic in the world will be vastly increased—routes traveled yearly at almost railway speed by vessels intrusted with more than a million human lives and property of an aggregate value of fully a billion dollars."

The lecturer closed his lecture by referring again to the commercial importance of the great body of water known as the Bay of North America, exhibiting diagrams that brought out very clearly to the entire audience the various features of greatest importance in connection with a comprehensive and effective system of telegraphic weather service for the benefit of the commerce of every nation frequenting these waters, as well as of the inhabitants of its coasts and islands, from Venezuela to Newfoundland. A photograph of a superb relief model, the property of E. H. Butler & Co., of Philadelphia, illustrated the general topographic relief—an essential feature in connection with meteorology; a chart of ocean currents indicated their important bearing on the subject, and a map of telegraph lines and cables, existing and proposed, showed that the shore and islands were joined by an almost perfect network, giving the most admirable facilities for an almost perfect system. The conclusion of Mr. Hayden's paper was as follows:

"In apology for having detained you so long to-night, I must plead the tremendous importance of the subject you have chosen for my remarks, the vast field it covers, the completeness of the records and data at my command, and my own absorbing interest in the subject. Here in this great Bay of North America commercial interests are at stake of vastly greater importance than in any similar body of water in the world—interests involving every commercial nation. To the north are the British Provinces, already coöperating with our Signal Office, descendants of our own forefathers, and linked to ourselves by the strongest bonds of geographic position and commercial interests. Then comes this great Republic, just growing into the full strength of manhood, and reaching out the hand of peace and friendship, not of conquest, to all mankind. To the south, the Spanish American Republics and the greater and lesser Antilles, where almost every European flag is represented, and where the benefits of an efficient weather service, conducted by means of united efforts and well directed coöperation, would be enormous. The completion of the Nicaragua Canal will soon change the great routes of ocean traffic, and divert into these waters half the tonnage of the world. Coincident with my recent visit to Havana, a Department of Marine Meteorology, or a Marine Observatory, has been established under the direction of my esteemed friend, Captain Luis Garcia y Carbonell, of the Spanish navy; and the French and Spanish cable companies, with a broad minded and generous liberality, have granted him the franking privilege for his telegrams over all their lines. Will it be too much to hope that our own companies will grant us the same privilege over their lines from Key West to Havana, and to Tampico, Vera Cruz, and Progreso?

"Here at home we have a superb weather service, the admiration of the world—a fact I would call to the attention of that portion of the press that racks its brains to get up cheap jokes about it—but circumstances have compelled it to devote almost its entire attention to the pressing needs of our great inland States, and to almost neglect commerce and the seaboard. I was amused the other day to read of the anxiety shown by Lieutenant

Maury, when, in the full flush of the success of his great system of meteorological observation at sea, to have the system extended to the land: 'In my humble way,' said he, 'I have been advocating the establishment of a similar system of weather reports and telegraphic warnings, not only for the shipping, but for the farmers also of the United States.' Shades of Maury, look down upon us now, and lend the influence of your great name to help regain for your beloved shipping some small share of the benefits of the great system that you did so much toward organizing!

"I want to live to see the day when there is a first-order light at Hatteras Shoal, Mantanella Reef, and Hillsboro Inlet, in addition to the magnificent lights we have already, and when weather forecasts at least as good as those signaled off to shipping at Hongkong or in the Bay of Bengal are available to navigators at every prominent lighthouse and headland of the shores of the great Bay of North America, and I expect to do it, too. I intended to have read extracts from at least a few hurricane reports from vessels of our own build, and flying the stars and stripes—the thrilling experience of the steamship Knickerbocker, or Manhattan (two good old New York names), in these great hurricanes off our coast—but time forbids. I cannot forbear, however, from reiterating the fact that it is to an American that we owe the discovery of the law of storms in almost all the perfection and simplicity that we know it to-day—a discovery that has revolutionized meteorology and resulted in the saving of thousands of lives and millions of dollars' worth of property at sea. The empirical laws of Kepler in astronomy, the grand results in biology of Darwin's vast accumulation of facts, and the deduction therefrom in the hands of that great master, find their parallel in the thorough and painstaking work in collecting data, the scientific skill and insight in their consideration and comprehension, and the lifetime's devotion to this one subject, of Mr. Redfield, of New York."

# TRANSACTIONS

OF THE

# FIRST DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of San Francisco, Contra Costa, and Alameda.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| R. T. CARROLL | President. |
| JOS. I. DIMOND | Secretary. |
| UNION NATIONAL BANK (of Oakland) | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| R. T. CARROLL | San Francisco. |
| C. S. CRITTENDEN | San Francisco. |
| P. A. FINIGAN | San Francisco. |
| ROBERT McKILLICAN | Oakland. |
| P. PUMYEA | Oakland. |
| H. LATHAM | Oakland. |
| SAMUEL GAMBLE | Contra Costa. |
| GEO. BEMENT | Contra Costa. |

# REPORT.

DECEMBER 31, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the First District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JOS. I. DIMOND, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From trotters and pacers | $4,425 00 | |
| From runners | 1,475 00 | |
| From gate | 5,452 90 | |
| From miscellaneous account | 6,812 50 | |
| From season tickets | 280 00 | |
| From sweepstakes | 78 00 | |
| | | $18,523 40 |

*Expenditures.*

| | | |
|---|---|---|
| For labor | $779 00 | |
| For trotters and pacers | 7,775 00 | |
| For runners | 5,575 00 | |
| For premiums | 1,380 75 | |
| For miscellaneous account | 2,448 40 | |
| For advertising | 1,284 52 | |
| | | $19,242 67 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED STALLIONS. | | |
| Imp. Mariner, three years old or over | H. I. Thornton | Contra Costa. |
| Three Cheers, three years old or over | Thomas G. Jones | Santa Rosa. |
| Sid, three years old or over | B. C. Holly | Vallejo. |
| Joe Hoge, two years old | H. I. Thornton | Contra Costa. |
| MARES. | | |
| Narcola, three years old or over | H. I. Thornton | Contra Costa. |
| Nancy, three years old or over | B. C. Holly | Vallejo. |
| CLASS II—FAMILIES. | | |
| Christmas, stallion, with five colts | P. A. Finigan | San Francisco. |
| Nere, dam, with three colts | P. A. Finigan | San Francisco. |
| Lady Nutwood, with two colts | E. Topham | Milpitas. |
| Brownie H, with five colts | L. Hewlett | Oakland. |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | |
| Allen Wilkes, three years old or over | Thomas Bonner | Oakland. |
| Plowboy, three years old or over | H. I. Thornton | Contra Costa. |
| Storm, two years old | B. E. Harris | San Francisco. |
| Santa Rita Boy, one year old | L. Hewlett | Oakland. |
| MARES. | | |
| Brownie H, three years old or over | L. Hewlett | Oakland. |
| Edna, three years old or over | B. E. Harris | San Francisco. |
| CLASS IV—STALLIONS—STANDARD. | | |
| Don Marvin, four years old or over | F. P. Lowell | Sacramento. |
| Guy Davis, four years old or over | D. M. Ayers | Oakland. |
| Delwood, four years old or over | William Meese | Danville. |
| Blue Bull, four years old or over | Sackrider & Chisholm | Oakland. |
| Woodnut, four years old or over | B. C. Holly | Vallejo. |
| Charles Derby, three years old | Seth Cook | Danville. |
| Standard N, two years old | Thomas Bonner | Oakland. |
| Nut Grove, two years old | E. Topham | Milpitas. |
| Dietz Wilkes, one year old | A. C. Dietz | Oakland. |
| Antelope, one year old | L. Hewlett | Oakland. |
| Greenwood, suckling colt | L. Hewlett | Oakland. |
| MARES OR GELDINGS. | | |
| Ann Trix, four years old or over | Thomas Bonner | Oakland. |
| Clite, four years old or over | James Taylor | Oakland. |
| Harry Mc, four years old or over | B. E. Harris | San Francisco. |
| Lady Nutwood, four years old or over | E. Topham | Milpitas. |
| Alda H, two years old | L. Hewlitt | Oakland. |
| Sylvia, one year old | E. Topham | Milpitas. |
| Lorina, one year old | B. E. Harris | San Francisco. |
| SPAN OF ROADSTERS. | | |
| Setting Sun and Vengeance | Thomas Bonner | Oakland. |
| Fearless and Adventure | B. E. Harris | San Francisco. |
| CLASS V—CLEVELAND BAYS—STALLIONS. | | |
| Baron Hilton, three years old or over | Seth Cook | Danville. |
| Royal Studley, three years old or over | Seth Cook | Danville. |
| Saxon Prince, three years old or over | Seth Cook | Danville. |
| Barrington, three years old or over | Seth Cook | Danville. |
| Duke of York, three years old or over | Stericker Bros. | Springfield, Ill. |
| Bonanza, three years old or over | Stericker Bros. | Springfield, Ill. |
| General, three years old or over | Stericker Bros. | Springfield, Ill. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS VI—DRAFT STALLIONS. | | |
| Le Dard, three years old or over | Sacrider & Chisholm | Oakland. |
| Rigelo, three years old or over | Sacrider & Chisholm | Oakland. |
| Distinga, three years old or over | Sacrider & Chisholm | Oakland. |
| Young French Spy, three years old or over | Jackson Le Bon | San Leandro. |
| CLASS VII—SADDLE HORSES—EITHER SEX. | | |
| Rondo | P. A. Finigan | San Francisco. |
| Bruce | B. E. Harris | San Francisco. |
| Scott | B. E. Harris | San Francisco. |
| SWEEPSTAKES—STALLIONS. | | |
| Mariner | H. I. Thornton | Contra Costa. |
| Plowboy | H. I. Thornton | Contra Costa. |
| Young Prince | Charles Clark | San Pablo. |
| Baron Hilton | Seth Cook | Danville. |
| Royal Studley | Seth Cook | Danville. |
| Duke of York | Stericker Bros. | Springfield, Ill. |
| General | Stericker Bros. | Springfield, Ill. |
| MARES. | | |
| Ann Trix | Thomas Bonner | Oakland. |
| Lady Nutwood | E. Topham | Milpitas. |
| Brownie H | L. Hewlitt | Oakland. |
| CLASS I—DURHAMS—BULLS. | | |
| Mugwump, three years old or over | Wilfred Page | Penn's Grove. |
| 3d Kirklevington, three years old or over | C. Younger & Son | Forest Home. |
| 5th Kirklevington, three years old or over | C. Younger & Son | Forest Home. |
| Protector, two years old | Wilfred Page | Penn's Grove. |
| Rogue, two years old | Wilfred Page | Penn's Grove. |
| Princess, one year old | Wilfred Page | Penn's Grove. |
| Sonberry, one year old | Wilfred Page | Penn's Grove. |
| Cheesit, one year old | Wilfred Page | Penn's Grove. |
| Blood, one year old | Wilfred Page | Penn's Grove. |
| The Parson, one year old | Wilfred Page | Penn's Grove. |
| Belt, one year old | Wilfred Page | Penn's Grove. |
| Holdfast, one year old | Wilfred Page | Penn's Grove. |
| 26th Kirklevington, one year old | C. Younger & Son | Forest Home. |
| To-morrow, under one year | Wilfred Page | Penn's Grove. |
| Pickrell, under one year | Wilfred Page | Penn's Grove. |
| Gilt Edge, under one year | Wilfred Page | Penn's Grove. |
| 43d Kirklevington, under one year | C. Younger & Son | Forest Home. |
| COWS. | | |
| Belle Medico, three years old or over | Wilfred Page | Penn's Grove. |
| Maita, three years old or over | Wilfred Page | Penn's Grove. |
| Henrietta Page, three years old or over | Wilfred Page | Penn's Grove. |
| Belle Strawberry, three years old or over | Wilfred Page | Penn's Grove. |
| 21st Rose of F. H., three years old or over | C. Younger & Son | Forest Home. |
| Jessie Maynard 3d, three years old or over | C. Younger & Son | Forest Home. |
| 4th Belle of F. H., three years old or over | C. Younger & Son | Forest Home. |
| Christmas Eve, two years old | Wilfred Page | Penn's Grove. |
| Enriquita, two years old | Wilfred Page | Penn's Grove. |
| Amelia 12th, two years old | C. Younger & Son | Forest Home. |
| Jessie Maynard 4th, two years old | C. Younger & Son | Forest Home. |
| HEIFER CALVES. | | |
| Ashburner Lass, one year old | Wilfred Page | Penn's Grove. |
| Goldnut, one year old | Wilfred Page | Penn's Grove. |
| Belle of the Oaks, one year old | Wilfred Page | Penn's Grove. |
| Zuleika, one year old | Wilfred Page | Penn's Grove. |
| 11th Oxford Rose, one year old | C. Younger & Son | Forest Home. |
| Nevada Belle 8th, one year old | C. Younger & Son | Forest Home. |
| Mannela, under one year | Wilfred Page | Penn's Grove. |
| Sweetmilk, under one year | Wilfred Page | Penn's Grove. |
| Red Dolly 27th, under one year | C. Younger & Son | Forest Home. |
| 12th Oxford Rose, under one year | C. Younger & Son | Forest Home. |
| 28th Rose of F. H., under one year | C. Younger & Son | Forest Home. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS IV—AYRSHIRES—BULLS. | | |
| Lord Faxon, two years old | Geo. Bement & Son | San Pablo. |
| Hotspur, one year old | Geo. Bement & Son | San Pablo. |
| Express, under one year | Geo. Bement & Son | San Pablo. |
| COWS. | | |
| Highland Mary, three years old or over | Geo. Bement & Son | San Pablo. |
| Sybilla, three years old or over | Geo. Bement & Son | San Pablo. |
| Marian, three years old or over | Geo. Bement & Son | San Pablo. |
| Ethelberta, two years old | Geo. Bement & Son | San Pablo. |
| Faxonia, one year old | Geo. Bement & Son | San Pablo. |
| Highland Beauty, under one year | Geo. Bement & Son | San Pablo. |
| CLASS VI—JERSEYS, OR ALDERNEYS AND GUERNSEYS—BULLS. | | |
| Maud's Olaf, three years old or over | Thos. Ward | Oakland. |
| Billy Ralston, three years old or over | Thos. Ward | Oakland. |
| Silver King, one year old | Thos. Ward | Oakland. |
| COWS. | | |
| Mignon, three years old or over | Thos. Ward | Oakland. |
| Phyllis, three years old or over | Thos. Ward | Oakland. |
| Lady Maud, three years old or over | Thos. Ward | Oakland. |
| Bonita, three years old or over | Thos. Ward | Oakland. |
| Dolly of Marin, three years old or over | John Brannan | Piedmont. |
| Lady Wickham 2d, two years old | Thos. Ward | Oakland. |
| Anita, two years old | Thos. Ward | Oakland. |
| Oak Queen, two years old | Thos. Ward | Oakland. |
| Olafina, two years old | Thos. Ward | Oakland. |
| Lucy, two years old | Thos. Ward | Oakland. |
| Violet, under one year | Thos. Ward | Oakland. |
| CLASS VII—HOLSTEINS—BULLS. | | |
| Sedro, three years old or over | Frank H. Burke | Menlo Park. |
| Billee Taylor, three years old or over | Frank H. Burke | Menlo Park. |
| Oro Blanco, three years old or over | J. H. White | Lakeville. |
| Von Moltke, two years old | Frank H. Burke | Menlo Park. |
| El Cuerro, two years old | Frank H. Burke | Menlo Park. |
| Cortez, two years old | Frank H. Burke | Menlo Park. |
| Juneau, two years old | J. H. White | Lakeville. |
| Huachuca, two years old | J. H. White | Lakeville. |
| Sedro's Thistle, one year old | Frank H. Burke | Menlo Park. |
| King of Menlo, one year old | Frank H. Burke | Menlo Park. |
| Halbert, one year old | J. H. White | Lakeville. |
| Laredo, one year old | J. H. White | Lakeville. |
| California, under one year | Frank H. Burke | Menlo Park. |
| Lincoln's Pride, under one year | Frank H. Burke | Menlo Park. |
| Lorenzo, under one year | J. H. White | Lakeville. |
| COWS. | | |
| Sylpha, three years old or over | Frank H. Burke | Menlo Park. |
| Korvertje, three years old or over | Frank H. Burke | Menlo Park. |
| Thissa, three years old or over | Frank H. Burke | Menlo Park. |
| Winfridala, three years old or over | J. H. White | Lakeville. |
| Annemie, three years old or over | J. H. White | Lakeville. |
| Annot Lyle, three years old or over | J. H. White | Lakeville. |
| Wayward, three years old or over | J. H. White | Lakeville. |
| Dagodine, three years old or over | J. H. White | Lakeville. |
| Ontarette, two years old | Frank H. Burke | Menlo Park. |
| Crysanthemum, two years old | Frank H. Burke | Menlo Park. |
| Lasquite, two years old | J. H. White | Lakeville. |
| Etchetah, two years old | J. H. White | Lakeville. |
| Minnie Wayward, one year old | J. H. White | Lakeville. |
| Caliente, one year old | J. H. White | Lakeville. |
| Bangalis, one year old | Frank H. Burke | Menlo Park. |
| Linconia, under one year | Frank H. Burke | Menlo Park. |
| Chapala, under one year | J. H. White | Lakeville. |
| Eudora, under one year | J. H. White | Lakeville. |
| Montecito, under one year | J. H. White | Lakeville. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| HERDS—DURHAMS, HEREFORDS, GALLOWAYS, AND POLLED ANGUS. | | |
| Mugwump, bull, over two years old; cows: Henrietta Page, Maita, Strawberry Belle, Belle Medico | Wilfred Page | Penn's Grove. |
| 3d Kirklevington, bull, over two years old; cows: Jessie Maynard 3d, Jesse Maynard 4th, 4th Belle of F. H., Amelia 12th | C. Younger & Son | Forest Home. |
| Holdfast, bull, under two years old; cows: Belle of the Oaks, Ashburner's Lass, Goldnut, Sweetmilk | Wilfred Page | Penn's Grove. |
| 26th Kirklevington, bull, under two years old; cows: 11th Oxford Rose, 12th Oxford Rose, Nevada Bell 8th, 27th Red Dolly | C. Younger & Son | Forest Home. |
| AYRSHIRES, JERSEYS OR ALDERNEYS, AND DEVONS. | | |
| Maud's Olaf, bull, over two years old; cows: Lady Maud, Phyllis, Mignon, Bonita | Thomas Ward | Oakland. |
| Lord Faxon, bull, over two years old; cows: Highland Mary, Ethelberta, Marian, Sybilla | Geo. Bement & Son | San Pablo. |
| Silver King, bull, under two years old; cows: Oak Queen, Olafina, Anita, Lady Wickham 2d | Thomas Ward | Oakland. |
| HOLSTEINS. | | |
| Sedro, bull, any age; cows: Thissa, Sylpha, Kowertje, Ontarette | Frank H. Burke | Menlo Park. |
| Oro Blanco, bull, any age; cows: Annimie, Wonfredala, Wayward, Lasquite | J. H. White | Lakeville. |
| CLASS VIII—GRADED CATTLE—COWS. | | |
| Bo-Peep, three years old or over | Mrs. Thomas Bonner | Oakland. |
| Dolly of Marin, three years old or over | John Brannan | Piedmont. |
| CLASS X—SWEEPSTAKES, DURHAMS, HEREFORDS, GALLOWAYS, AND POLLED ANGUS—BULLS. | | |
| Mugwump | Wilfred Page | Penn's Grove. |
| 3d Kirklevington | C. Younger & Son | Forest Home. |
| 5th Kirklevington | C. Younger & Son | Forest Home. |
| COWS. | | |
| Maifa | Wilfred Page | Penn's Grove. |
| 11th Oxford Rose | C. Younger & Son | Forest Home. |
| AYRSHIRES, JERSEYS, OR ALDERNEYS, HOLSTEINS, AND DEVONS—BULLS. | | |
| Sedro | Frank H. Burke | Menlo Park. |
| Oro Blanco | J. H. White | Lakeville. |
| COWS. | | |
| Sylpha | Frank H. Burke | Menlo Park. |
| Annimie | J. H. White | Lakeville. |
| CLASS XI—SHEEP. | | |
| Just Right, Cotswold ram | C. Younger & Son | Forest Home. |
| SWEEPSTAKES. | | |
| Just Right, ram, any age or breed | C. Younger & Son | Forest Home. |
| Pen of five Cotswold ewes | C. Younger & Son | Forest Home. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XII—POULTRY. | | |
| Three Black-breasted Game Bantams | Thomas Ward | Oakland. |
| Two Plymouth Rocks | Thomas Ward | Oakland. |
| Two Brown Leghorns | Thomas Ward | Oakland. |
| Three Light Brahmas | Thomas Ward | Oakland. |
| Two Poland geese | Thomas Ward | Oakland. |
| Two Toulouse geese | Frank Burke | Menlo Park. |
| Two Pekin ducks | Frank Burke | Menlo Park. |
| Two Rouen ducks | Frank Burke | Menlo Park. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBRED HORSES—STALLIONS. | | | |
| Three Cheers, three years old or over | Thos. G. Jones | Sonoma County | 1st prem. |
| Mariner, three years old or over | H. I. Thornton | Contra Costa Co. | 2d prem. |
| Joe Hoge, two years old | H. I. Thornton | Contra Costa Co. | 1st prem. |
| MARES. | | | |
| Narcola, three years old or over | H. I. Thornton | Contra Costa Co. | 1st prem. |
| Nancy, three years old or over | B. C. Holly | Vallejo | 2d prem. |
| CLASS II—FAMILIES. | | | |
| Christmas, with five colts | P. A. Finigan | San Francisco | 1st prem. |
| Lady Nutwood, with two colts | E. Topham | Santa Clara Co. | 1st prem. |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | | |
| Allen Wilkes, three years old or over | Thos. Bonner, Ag't. | Alameda Co. | 1st prem. |
| Plowboy, three years old or over | H. I. Thornton | Contra Costa Co. | 2d prem. |
| Storm, two years old | Ben. E. Harris | San Francisco | 1st prem. |
| Santa Rita Boy, one year old | L. Hewlett | Oakland | 1st prem. |
| MARES. | | | |
| Edna, three years old or over | Ben. E. Harris | San Francisco | 1st prem. |
| Brownie H, three years old or over | L. Hewlett | Alameda Co. | 2d prem. |
| CLASS IV—STANDARD—STALLIONS. | | | |
| Woodnut, four years old or over | B. C. Holly | Vallejo | 1st prem. |
| Don Marvin, four years old or over | F. P. Lowell | Sacramento | 2d prem. |
| Charles Derby, three years old | Seth Cook | Contra Costa Co. | 1st prem. |
| Nut Grove, two years old | E. Topham | Santa Clara Co. | 1st prem. |
| Standard N, two years old | Thos. Bonner, Ag't. | Alameda Co. | 2d prem. |
| MARES OR GELDINGS. | | | |
| Lady Nutwood, four years old or over | E. Topham | Santa Clara Co. | 1st prem. |
| Clite, four years old or over | James Taylor | Oakland | 2d prem. |
| Alda H, two years old | L. Hewlett | Oakland | 1st prem. |
| Sylvia, one year old | E. Topham | Santa Clara Co. | 1st prem. |
| MATCHED ROADSTERS. | | | |
| Setting Sun and Vengeance | Thos. Bonner, Ag't. | Alameda Co. | 1st prem. |
| Fearless and Adventure | Ben. E. Harris | San Francisco | 2d prem. |
| CLASS V—CLEVELAND BAYS—STALLIONS. | | | |
| Baron Hilton, three years old or over | Seth Cook | Contra Costa Co. | 1st prem. |
| Saxon Prince, three years old or over | Seth Cook | Contra Costa Co. | 2d prem. |
| CLASS VI—DRAFT STALLIONS. | | | |
| Rigelo | Sackrider & Chisholm | Alameda Co. | 1st prem. |
| Distinga | Sackrider & Chisholm | Alameda Co. | 2d prem. |
| CLASS VII—SADDLE HORSES. | | | |
| Bruce | Ben. E. Harris | San Francisco | 1st prem. |
| Scott | Ben. E. Harris | San Francisco | 2d prem. |
| SWEEPSTAKES—STALLIONS. | | | |
| Royal Studley | Seth Cook | Contra Costa Co. | 1st prem. |
| Baron Hilton | Seth Cook | Contra Costa Co. | 2d prem. |

FIRST DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| MARES. | | | |
| Brownie H | L. Hewlett | Alameda Co. | 1st prem. |
| Lady Nutwood | E. Topham | Santa Clara Co. | 2d prem. |
| CLASS I—DURHAMS—BULLS. | | | |
| 3d Kirklevington of Forest Home, three years old or over | C. Younger & Son | Forest Home | 1st prem. |
| 5th Kirklevington of Forest Home, three years old or over | C. Younger & Son | Forest Home | 2d prem. |
| Protector, two years old | Wilfred Page | Penn's Grove | 1st prem. |
| Rogue, two years old | Wilfred Page | Penn's Grove | 2d prem. |
| 26th Kirklevington of Forest Home, one year old | C. Younger & Son | Forest Home | 1st prem. |
| Blood, one year old | Wilfred Page | Penn's Grove | 2d prem. |
| COWS. | | | |
| Jessie Maynard, three years old or over | C. Younger & Son | Forest Home | 1st prem. |
| Belle Medico, three years old or over | Wilfred Page | Penn's Grove | 2d prem. |
| Amelia 12th, two years old | C. Younger & Son | Forest Home | 1st prem. |
| Christmas Eve, two years old | Wilfred Page | Penn's Grove | 2d prem. |
| CALVES. | | | |
| Pickrell, under one year | Wilfred Page | Penn's Grove | 1st prem. |
| Belle of the Oaks, one year old | Wilfred Page | Penn's Grove | 1st prem. |
| Goldnut, one year old | Wilfred Page | Penn's Grove | 2d prem. |
| 28th Rose of Forest Home, under one year | C. Younger & Son | Forest Home | 1st prem. |
| CLASS IV—AYRSHIRES—BULLS. | | | |
| Lord Faxon, two years old | Geo. Bement & Son | San Pablo | 1st prem. |
| Hotspur, one year old | Geo. Bement & Son | San Pablo | 1st prem. |
| COWS. | | | |
| Faxonia, one year old | Geo. Bement & Son | San Pablo | 1st prem. |
| CALVES. | | | |
| Express, under one year | Geo. Bement & Son | San Pablo | 1st prem. |
| Highland Beauty, under one year | Geo. Bement & Son | San Pablo | 1st prem. |
| CLASS VI—JERSEYS—BULLS. | | | |
| Billy Ralston, three years old or over | Thos. Ward | Oakland | 1st prem. |
| Maud's Olaf, three years old or over | Thos. Ward | Oakland | 2d prem. |
| Silver King, one year old | Thos. Ward | Oakland | 1st prem. |
| COWS. | | | |
| Mignon, three years old or over | Thos. Ward | Oakland | 1st prem. |
| Lady Maud, three years old or over | Thos. Ward | Oakland | 2d prem. |
| Oak Queen, two years old | Thos. Ward | Oakland | 1st prem. |
| Lady Wickham, two years old | Thos. Ward | Oakland | 2d prem. |
| Anita, one year old | Thos. Ward | Oakland | 1st prem. |
| Violet, one year old | Thos. Ward | Oakland | 2d prem. |
| CLASS VII—HOLSTEINS—BULLS. | | | |
| Oro Blanco, three years old or over | J. H. White | Lakeville | 1st prem. |
| Sedro, three years old or over | Frank H. Burke | Menlo Park | 2d prem. |
| El Cuerro, two years old | Frank H. Burke | Menlo Park | 1st prem. |
| Huachuca, two years old | J. H. White | Lakeville | 2d prem. |
| King of Menlo, one year old | Frank H. Burke | Menlo Park | 1st prem. |
| Laredo, one year old | J. H. White | Lakeville | 2d prem. |
| COWS. | | | |
| Minfridala, three years old or over | J. H. White | Lakeville | 1st prem. |
| Sylpha, three years old or over | Frank H. Burke | Menlo Park | 2d prem. |
| Lasquite, two years old | J. H. White | Lakeville | 1st prem. |
| Etchelah, two years old | J. H. White | Lakeville | 2d prem. |
| Minnie Hayward | J. H. White | Lakeville | 1st prem. |
| Chapala | J. H. White | Lakeville | 2d prem. |

FIRST DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CALVES. | | | |
| Lorenzo, under one year | J. H. White | Lakeville | 1st prem. |
| CLASS VIII—GRADED CATTLE—COWS. | | | |
| Bo-Peep | Mrs. Thos. Bonner | Oakland | 1st prem. |
| CLASS 1—SWEEPSTAKES—BULLS. | | | |
| 3d Kirklevington of Forest Home | C. Younger & Son | Forest Home | 1st prem. |
| Mugwump | Wilfred Page | Penn's Grove | 2d prem. |
| COWS. | | | |
| 11th Oxford Rose | C. Younger & Son | Forest Home | 1st prem. |
| Maita | Wilfred Page | Penn's Grove | 2d prem. |
| CLASS II—SWEEPSTAKES—BULLS. | | | |
| Sedro | Frank H. Burke | Menlo Park | 1st prem. |
| Oro Blanco | J. H. White | Lakeville | 2d prem. |
| COWS. | | | |
| Annimie | J. H. White | Lakeville | 1st prem. |
| Sylpha | Frank H. Burke | Menlo Park | 2d prem. |
| HERDS—DURHAMS. | | | |
| Mugwump, bull, over two years old; cows: Maita, Henrietta Page, Strawberry Belle, Belle Medico | Wilfred Page | Penn's Grove | 1st prem. |
| Holdfast, bull, under two years old; cows: Belle of the Oaks, Goldnut, Ashburner Lass, Sweet Milk | Wilfred Page | Penn's Grove | 1st prem. |
| HERDS—AYRSHIRES, JERSEYS, ALDERNEYS, AND DEVONS. | | | |
| Lord Faxon, bull, over two years old; cows: Highland Mary, Ethelberta, Marian, Sybilla | Geo. Bement & Son | San Pablo | 1st prem. |
| Silver King, bull, under two years old; cows: Oak Queen, Olafina, Violet, Lady Wickham 2d | Thomas Ward | Oakland | 1st prem. |
| Oro Blanco, bull; cows: Annimie, Winfridala, Wayward, Lasquite | J. H. White | Lakeville | 1st prem. |
| CLASS X—SHEEP. | | | |
| Just Right, Cotswold ram | C. Younger & Son | Forest Home | 1st prem. |
| Pen of five Cotswold ewes | C. Younger & Son | Forest Home | 1st prem. |
| SWEEPSTAKES. | | | |
| Just Right, ram, any age or breed | C. Younger & Son | Forest Home | 1st prem. |
| CLASS XII—POULTRY. | | | |
| Pair Black-breasted Game Bantams | Thomas Ward | Oakland | 1st prem. |
| Pair Plymouth Rocks | Thomas Ward | Oakland | 1st prem. |
| Pair Brown Leghorns | Thomas Ward | Oakland | 1st prem. |
| Pair Light Brahmas | Thomas Ward | Oakland | 1st prem. |
| Pair Langshans | Thomas Ward | Oakland | 1st prem. |
| Pair Poland geese | Thomas Ward | Oakland | 1st prem. |
| Pair Toulouse geese | Thomas Ward | Oakland | 1st prem. |
| Pair Pekin ducks | Thomas Ward | Oakland | 1st prem. |
| Pair Rouen ducks | Thomas Ward | Oakland | 1st prem. |
| Largest collection of poultry exhibited by one person or firm | Thomas Ward | Oakland | 1st prem. |

# SPEED PROGRAMME.

MONDAY, AUGUST 27, 1888.

RACE No. 1—TROTTING.

For stallions. Purse, one thousand five hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Woodnut, ch. s., by Nutwood; dam, Addie | B. C. Holly | Vallejo. |
| Guy Wilkes, b. s., by Geo. Wilkes; dam, Lady Bunker | San Mateo St'ck Farm | San Mateo. |
| Stamboul, b. s., by Sultan; dam, Fleetwing | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Guy Wilkes | 1 | 2 | 2 | 1 | 1 |
| Stamboul | 3 | 1 | 1 | 2 | 2 |
| Woodnut | 2 | 3 | 3 | 3 | 3 |

*Time*—2:18; 2:17; 2:19½; 2:24; 2:25.

RACE No. 2—PACING.

2:27 Class. Purse, seven hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Hope, ch. g., by Tempest, Jr.; dam, Wilson's Bluebell | W. B. Bradbury | San Francisco. |
| Goldleaf, ch. f., by Sidney; dam, Fernleaf | M. Salisbury | Pleasanton. |
| Ned Winslow, b. g., by Tom Benton; dam, by Dave Whipple, Jr. | J. L. McCord | Sacramento. |
| San Diego, b. g., by Victor; dam, thoroughbred | H. C. Airhart & Co. | San Diego. |
| Tom Linderman, b. g., by M. Kimball | Frank H. Dyer | Salt Lake City. |

SUMMARY.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Goldleaf | 1 | 2 | 5 | 1 | 2 | 3 | 1 |
| Little Hope | 6 | 6 | 2 | 2 | 1 | 1 | 3 |
| San Diego | 4 | 5 | 1 | 3 | 3 | 2 | 2 |
| Ned Winslow | 2 | 3 | 4 | 5 | 5 | | |

*Time*—2:19¼; 2:19; 2:23¾; 2:21½; 2:23½; 2:26; 2:20.

TUESDAY, AUGUST 28, 1888.

RACE NO. 3—RUNNING.

Introductory Stake. For two-year olds. Twenty-five dollars entrance; ten dollars forfeit; four hundred dollars added; one hundred to second; third to save stake. Winner of any two-year old race, after August first, to carry three pounds; of two or more, five pounds extra. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bessie Shannon, b. f., by Shannon; dam, Betty Bishop | John Reavy & Co. | San Francisco. |
| Don José, ch. c., by Joe Hooker; dam, Countess Zeika | Theodore Winters | Sacramento. |
| Jackpot, b. g., by Joe Hooker; dam, Sugena | Thomas G. Jones | Santa Rosa. |
| Lady Helen, c. f., by Norfolk; dam, Jessie R. | Thomas H. Williams | San Francisco. |
| Naicho B, s. g., by Wanderer; dam, Flower Girl | P. C. Donalich | Los Angeles. |

SUMMARY.

| | |
|---|---|
| Don José | 1 |
| Lady Helen | 2 |
| Jackpot | 3 |

*Time*—1:16¼.

RACE NO. 4—RUNNING.

Pardee Stake. For three-year olds. Fifty dollars entrance; half forfeit; four hundred dollars added; one hundred dollars to second; fifty dollars to third. Horses who have not won in 1888 a purse amounting to three hundred dollars or over, allowed five pounds; maidens allowed ten pounds. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sid, br. s., by imp. Sidarthur; dam, Vestella | B. F. Denio | Vallejo. |
| Leon, b. c., by Leinster; dam, Ada A. | F. P. Lowell | Sacramento. |
| Heliotrope, b. m., by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Sacramento. |
| Welcome, br. m., by Warwick; dam, Aeola | Dan Hennessey | Sacramento. |

SUMMARY.

| | |
|---|---|
| Welcome | 1 |
| Leon | 2 |
| Heliotrope | 3 |
| Sid | 0 |

*Time*—1:43½.

RACE NO. 5—RUNNING.

Contra Costa Stake. All ages. Three hundred dollars added; fifty dollars to second. Half mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sleepy Dick, s. g. | F. M. Starkey | Stockton. |
| Johnny Gray, g. g., by Shiloh; dam, Margrave | Owen Bros. | Fresno City. |
| Kildare, s. g., by Kyrle Daly; dam, Mistake | Thos. G. Jones | Santa Rosa. |
| Lida Ferguson, ch. m. | Hiram Willits | Ione. |

SUMMARY.

| | | |
|---|---|---|
| Lida Ferguson | 1 | 1 |
| Sleepy Dick | 2 | 2 |
| Johnny Gray | 3 | 3 |
| Kildare | 4 | 4 |

*Time*—0:48¼; 0:49.

RACE No. 6—RUNNING.

Free Purse. Three hundred dollars; fifty dollars to second. Maidens of three years old allowed ten pounds; of four years old and over, fifteen pounds. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Nancy, ch. f., by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Idalene Cotton, ch. f., by Jim Brown; dam, Lizzie P | Maltese Villa Stables | San Joaquin Co. |
| Applause, b. g., by Three Cheers; dam, Alice N. | Thos. G. Jones | Santa Rosa. |
| Laura Gardner, ch. f., by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara Co. |

SUMMARY.

| | |
|---|---|
| Laura Gardner | 1 |
| Idalene Cotton | 2 |
| Applause | 3 |
| Nancy | 0 |

*Time*—1:43¼.

WEDNESDAY, AUGUST 29, 1888.

RACE No. 7—TROTTING.

Class, three-year olds. Purse, one thousand dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Memo, b. s., by Sidney; dam, Flirt | Jas. P. Kerr | San Francisco. |
| Grandee, b. g., by LeGrande; dam, Norma | San Mateo Stock Farm | San Mateo Co. |
| Direct, blk. g., by Director; dam, Echora | Pleasanton St'ck Farm | Pleasanton. |

SUMMARY.

| | |
|---|---|
| Grandee | 1 |

*Time*—No time. Walkover.

SPECIAL RACE.

Purse, two hundred and fifty dollars. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Stone, b. g. | Mose Hart | San Francisco. |
| Net, ch. m. | J. Nichols | San Francisco. |
| Chris, ch. g. | L. E. Clawsen | San Francisco. |
| Don Marvin, br. h. | Wilbur Smith | Sacramento. |
| Keogh, b. g. | G. W. Woodward | San Francisco. |

SUMMARY.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Net | 2 | 2 | 1 | 4 | 4 | 2 | 1 | 1 |
| Keogh | 4 | 3 | 3 | 2 | 1 | 1 | 2 | 2 |
| Don Marvin | 3 | 1 | 2 | 1 | 2 | 4 | 3 | 3 |
| Chris | 1 | 4 | 4 | 3 | 3 | 3 | dis. | |

*Time*—2:36; 2:36½; 2:36; 2:35½; 2:34¼; 2:36½; 2:34; 2:35.

---

RACE NO. 8—TROTTING.

2:40 Class. Purse, one thousand dollars. Two hundred dollars added, after giving Maggie E first money; making a purse of seven hundred dollars in four moneys. Mile heats, three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Maggie E, br. m., by Nutwood; dam, Patchen, Jr. | S. B. Emerson | Mountain View. |
| Economy, b. f., by Echo; dam, Lady Berky | B. C. Holly | Vallejo. |
| Ben Ali, b. g., by Geo. M. Patchen; dam, thoroughbred | John A. Goldsmith | S. Mateo County. |
| Sonnet, b. f., by Bentonian; dam, Sontag Dixie | Palo Alto Stock Farm | Menlo Park. |
| Dubec, b. g., by Sultan; dam, Lady Day | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Ben Ali | 3 | 1 | 3 | 1 | 1 |
| Sonnet | 1 | 2 | 1 | 3 | 4 |
| Dubec | 5 | 3 | 2 | 2 | 2 |
| Economy | 4 | 4 | 4 | 4 | 3 |

*Time*—2:26½; 2:26½; 2:26½; 2:26½; 2:28.

---

## THURSDAY, AUGUST 30, 1888.

RACE NO. 9—RUNNING.

Alameda Stake. For all ages. Fifty dollars entrance; half forfeit, or only fifteen dollars if declared on or before August twentieth; with four hundred dollars added; one hundred dollars to second; third to save stake. Maidens, if three years old, allowed ten pounds; if four years old or over, fifteen pounds. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy D, b. m., by Wheatly; dam, Black Maria | Bruce Cockrill | Salinas. |
| Nancy, ch. f., by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Edelweiss, b. m., by Joe Hooker; dam, Yolone. | Mrs. S. B. Wolfskill | Santa Monica. |
| Applause, b. g., by Three Cheers; dam, Alice N. | Thos. G. Jones | Santa Rosa. |
| Notidle, ch. f., by Wildidle; dam, Bonanza | M. F. Tarpey | Oakland. |

SUMMARY.

| | |
|---|---|
| Applause | 1 |
| Notidle | 2 |
| Daisy D | 3 |
| Edelweiss | 0 |

*Time*—1:15½.

RACE No. 10—RUNNING.

California Stake. For three-year olds. Fifty dollars entrance; half forfeit; four hundred dollars added; one hundred dollars to second; fifty dollars to third. One mile and a quarter.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Leon, b. c., by Leinster; dam, Ada A | F. P. Lowell | Sacramento. |
| Canny Scot, ch. c., by Leinster; dam, Tibbie Dunbar | W. L. Pritchard | Sacramento. |

SUMMARY.

| | |
|---|---|
| Leon | 1 |
| Canny Scot | 2 |

*Time*—2:10.

---

RACE No. 11—RUNNING.

Golden Gate Stake. For two-year olds. Twenty-five dollars entrance; ten dollars forfeit; four hundred dollars added; one hundred dollars to second; third to save stake. Winner of any two-year old race, after August first, to carry five pounds; of two or more, seven pounds extra. Seven eighths of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Don José, ch. c., by Joe Hooker; dam, Countess Zeika | Theo. Winters | Sacramento. |
| Jackpot, br. g., by Joe Hooker; dam, Sugena | Thos. G. Jones | Santa Rosa. |
| Naicho B, s. g., by Wanderer; dam, Flower Girl | P. C. Donalich | Los Angeles. |
| Lady Helen, b. f., by Norfolk; dam, Jessie R | Thos. H. Williams | San Francisco. |

SUMMARY.

| | |
|---|---|
| Don José | 1 |
| Lady Helen | 2 |
| Jackpot | 3 |
| Naicho B | 0 |

*Time*—1:30.

---

RACE No. 12—RUNNING.

Free Purse. Three hundred dollars. For all ages. Fifty dollars to second. Horses who have run and not won at this meeting allowed five pounds. Horses that have not run second or better at this meeting allowed ten pounds. Three quarters of a mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy D, b. m., by Wheatly; dam, Black Maria | Bruce Cockrell | Vallejo. |
| Fusilade's Last, ch. f., by John W. Norton; dam, Fusilade | B. C. Holly | Vallejo. |
| Elwood, ch. g., by Norfolk; dam, Ballinette | Maltese Villa Stables | San Joaquin Co. |
| Susie S, b. m., by Ironwood; dam, Jennie | L. E. Sturgill | Ione. |
| Oro, b. s., by Norfolk; dam, Golden Gate | Owen Bros. | Fresno City. |
| Laura Gardner, ch. f., by Jim Brown; dam, Avail | William Appleby | Santa Clara. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Daisy D | 1 | 2 | 1 | | | |
| Elwood | 5 | 1 | 2 | | | |
| Lanra Gardner | 2 | 3 | r. o. | | | |
| Oro | 7 | 5 | r. o. | | | |

*Time*—1:15½; 1:15; 1:16½.

---

FRIDAY, AUGUST 31, 1888.

RACE NO. 13—TROTTING.

2:28 Class. Purse, one thousand dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosie Mc, b. m., by Alex Button; dam, Rosedale | G. W. Woodard | Yolo. |
| Fallis, b. s., by Electioneer; dam, Felicia | F. P. Lowell | Sacramento. |
| Bonanza, b. s., by Arthurton; dam, Sister | R. Havey | San Francisco. |
| Franklin, blk. g., by Gen. Reno; dam, unknown | Charles Davis | San Francisco. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Rosie Mc | 3 | 2 | 1 | 1 | 1 |
| Fallis | 1 | 3 | 4 | 2 | 2 |
| Franklin | 2 | 1 | 2 | 4 | 3 |
| Bonanza | 4 | 4 | 3 | 3 | 4 |

*Time*—2:26½; 2:23¾; 2:26¼; 2:31; 2:23¼.

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RACE NO. 14—PACING.

Special race. Purse, six hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Racquit, blk. g., by Startle; dam, unknown | Charles I. Havens | San Francisco. |
| San Diego, b. g., by Victor; dam, thoroughbred | Martin Walsh | San Francisco. |
| Damiana, s. g., by Admiral; dam, unknown | L. E. Clawsen | San Francisco. |
| Mink, b. g., pedigree unknown | H. J. Agnew | San Francisco. |
| Little Hope, b. g., by Tempest, Jr.; dam, Wilson's Blue Bell | W. B. Bradbury | San Francisco. |
| Ontario, br. g., pedigree unknown | George Gordon | San Francisco. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| San Diego | 5 | 1 | 6 | 5 | 1 | 1 |
| Mink | 1 | 2 | 1 | 3 | 6 | 3 |
| Little Hope | 6 | 3 | 3 | 1 | 2 | 2 |
| Damiana | 3 | 5 | 2 | 2 | 3 | r. o. |

*Time*—2:26; 2:23; 2:25; 2:21¼; 2:23¼; 2:26¼.

## SATURDAY, SEPTEMBER 1, 1888.

### Race No. 15—Trotting.

2:22 Class. Purse, one thousand two hundred and fifty dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gus Wilkes, br. g., by Mambrino Wilkes; dam, Fancy | James A. Dustin | Oakland. |
| Alcazar, b. s., by Sultan; dam, Minnehaha | L. J. Rose | Los Angeles. |
| Tempest, b. m., by Hawthorne; dam, by Chieftain | L. U. Shippee | Stockton. |
| Thapsin, blk. g., by Berlin; dam, Lady Hubbard | Wilbur F. Smith | Sacramento. |

SUMMARY.

| | | | |
|---|---|---|---|
| Tempest | 1 | 1 | 1 |
| Gus Wilkes | 2 | 2 | 3 |
| Thapsin | 4 | 3 | 2 |
| Alcazar | 3 | 4 | 4 |

*Time*—2:26½; 2:25½; 2:21½.

---

### Race No. 16—Pacing.

Class, three-year old pacers. Purse, six hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Adonis, b. g., by Sidney; dam, Venus | Antonio B. Gonzales | San Francisco. |
| Goldleaf, ch. f., by Sidney; dam, Fernleaf | Pleasanton Stock Farm | Pleasanton. |
| Cricket, b. m. | James A. Dustin | Oakland. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Adonis | 2 | 1 | 1 | 1 |
| Goldleaf | 1 | 2 | 3 | 2 |
| Cricket | 3 | 3 | 2 | 3 |

*Time*—2:18; 2:20¼; 2:23¼; 2:23.

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## MONDAY, SEPTEMBER 3, 1888.

### Race No. 17—Running.

Selling Purse. Three hundred dollars, of which fifty dollars to second. Fixed valuation, two thousand dollars; one pound for each one hundred dollars down to one thousand, and two pounds for each one hundred dollars below one thousand. One pound added for each one hundred dollars above fixed value. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Spray, ch. m., by Joe Hooker; dam, Big Gun. | John Clark | Sacramento. |
| Oro, b. s., by Norfolk; dam, Golden Gate | Owen Bros. | Fresno City. |
| Nerva, ch. m., by Bob Wooding; dam, Lizzie Marshall | Elmwood Stables | Milpitas. |
| Cito, s. g., by Joe Hooker; dam, Too Soon | Hiram Willits | Ione. |

SUMMARY.

| | |
|---|---|
| Nerva | 1 |
| Oro | 2 |
| Cito | 3 |
| Spray | 0 |

*Time*—1:44.

---

RACE NO. 18—RUNNING.

Free Purse. Three hundred dollars, of which fifty dollars to second. Weights, ten pounds below the scale. Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy D, b. m., by Wheatly; dam, Black Maria | Bruce Cockrell | Salinas. |
| Fusilade's Last, ch. f., by John W. Norton; dam, Fusilade | B. C. Holly | Vallejo. |
| Welcome, br. m., by Warwick; dam, Aeolo | Dan Hennessey | Sacramento. |

SUMMARY.

| | | |
|---|---|---|
| Daisy D | 1 | 1 |
| Fusilade's Last | 3 | 2 |
| Welcome | 2 | 3 |

*Time*—1:45; 1:44.

---

RACE NO. 19—RUNNING.

Consolation Purse. Four hundred dollars, of which one hundred dollars to second, and fifty dollars to third. Horses beaten once at this meeting to be allowed five pounds; beaten twice, ten pounds; beaten three times, fifteen pounds. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sleepy Dick, ch. g., by Joe Daniels; dam, unknown | F. M. Starky | Stockton. |
| Idalene Cotton, ch. f., by Jim Brown; dam, Lizzie P | Maltese Villa Stable | San Joaquin Co. |
| Futurity, blk. f., by John A; dam, Ella Doane | W. L. Appleby | Santa Clara Co. |
| Susie S, b. m., by Ironwood; dam, Jennie | L. E. Sturgill | Ione. |
| Kildare, s. g., by Kyrle Daly; dam, Mistake | Owen Bros. | Fresno City. |

SUMMARY.

| | |
|---|---|
| Sleepy Dick | 1 |
| Susie S | 2 |
| Kildare | 3 |
| Idalene Cotton | 0 |

*Time*—1:14.

SPECIAL RACE—RUNNING.

Five eighths of a mile dash. Purse, two hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Duke Spencer, b. c., by Duke of Norfolk; dam, Lou Spencer | Frank Depoister | Sacramento. |
| Jackpot, br. g., by Joe Hooker; dam, Sugena | Thos. G. Jones | Santa Rosa. |
| Joe Hoge, ch. c., by Joe Hooker; dam, Viola R. | Harry I. Thornton | San Francisco. |

SUMMARY.

| | |
|---|---|
| Duke Spencer | 1 |
| Jackpot | 2 |
| Joe Hoge | 3 |

*Time*—1:03.

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EXTRA DAY—TUESDAY, SEPTEMBER 4, 1888.

RACE NO. 20—PACING.

Free for all pacing. Purse, eight hundred dollars. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mink, b. g. | H. J. Agnew | San Francisco. |
| Bracelet, b. g., by Nephew; dam, by Creighton. | J. R. Hodson | Sacramento. |
| Almont Patchen, br. s., by Juanita; dam, Glady | Wm. M. Billups | Chico. |
| Goldleaf, ch. f., by Sidney; dam, Fernleaf | Pleasanton St'k Farm | Pleasanton. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Almont Patchen | 4 | 1 | 1 | 1 |
| Goldleaf | 1 | 2 | 2 | 3 |
| Bracelet | 3 | 3 | 3 | 2 |
| Mink | 2 | dis. | | |

*Time*—2:23½; 2:17¾; 2:18; 2:21¼.

# TRANSACTIONS

OF THE

# SECOND DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of San Joaquin, Tuolumne, Stanislaus, and Merced.

# OFFICERS OF THE ASSOCIATION.

L. U. SHIPPEE ..... President.
J. M. La RUE (P. O. Box 188) ..... Secretary.
A. W. SIMPSON ..... Treasurer.

## DIRECTORS FOR 1889.

FRED. ARNOLD ..... Stockton.
LOUIS GERLACH ..... Stockton.
B. F. LANGFORD ..... Lodi.
JOHN E. MOORE ..... Stockton.
CHARLES E. NEEDHAM ..... Belota.
R. C. SARGENT ..... Lodi.
JAMES A. SHEPHERD ..... Lathrop.
L. U. SHIPPEE ..... Stockton.

## CORRESPONDING MEMBERS FOR 1888.

*Calaveras County—*
T. J. Matteson ..... Murphys.
H. A. Messenger ..... Campo Seco.
*Tuolumne County—*
Hugh Quinn ..... Chinese Camp.
M. Harriman ..... Sonora.
*Stanislaus County—*
F. H. Ross ..... Modesto.
A. Beith ..... Oakdale.
*Mariposa County—*
Daniel Wagner ..... Coulterville.
J. W. Snyder ..... Mariposa.
*Merced County—*
A. Chamberlain ..... Merced.
J. J. Stevenson ..... Hills Ferry.
*Fresno County—*
A. B. Butler ..... Fresno.
H. C. Daulton ..... Berenda.
*Tulare County—*
E. Giddings ..... Lemoore.
E. Jacobs ..... Visalia.
*Kern County—*
Sol. Jewett ..... Bakersfield.
George F. Thornton ..... Bakersfield.

# REPORT.

STOCKTON, November 26, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Second District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

J. M. LA RUE, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Balance | $1 80 | |
| Bills payable | 17,500 00 | |
| State appropriation for 1887 | 2,500 00 | |
| Rent of Pavilion | 117 40 | |
| Forfeits Sargent Stake of 1890 | 170 00 | |
| Sale of privileges | 4,732 35 | |
| Life membership account | 118 00 | |
| Sale of exhibitors' tickets | 480 00 | |
| Park receipts | 4,908 70 | |
| Pavilion receipts | 3,209 25 | |
| Entrance fees and added money to races | 7,020 00 | |
| Donations (per list appended) | 259 00 | |
| National Trotting Association, back entrance | 73 50 | |
| Rent of Park and sale of hay | 767 00 | |
| Overdraft account Stockton Savings and Loan Society | 797 61 | |
| All other sources | 161 00 | |
| | | $42,815 61 |

*Expenditures.*

| | | |
|---|---|---|
| Expenses and indebtedness of 1887 | $629 48 | |
| General expenses of 1888 | 7,422 49 | |
| Balance of Pavilion contract | 10,964 00 | |
| Additional cost of Pavilion | 1,407 03 | |
| Paid on account of bills payable | 2,500 00 | |
| For permanent improvements at Park | 1,585 37 | |
| Insurance on Pavilion | 825 00 | |
| Purses of 1888 | 9,206 70 | |
| Premiums, 1888 | 2,170 12 | |
| Overdraft Stockton Savings and Loan Society | 5,958 32 | |
| Interest on overdraft | 142 60 | |
| | | $42,811 11 |
| Cash | | 4 50 |
| Total | | $42,815 61 |

## DONATIONS, 1888.

| | | | |
|---|---|---|---|
| James T. Mills | $7 50 | Miss Tower | $2 00 |
| L. U. Shippee | 107 50 | Mrs. W. D. Smith | 1 00 |
| Stockton Insane Asylum (Dr. W. H. Mays) | 25 00 | Miss Mollie Grattan | 1 00 |
| | | Mrs. Dr. C. Grattan | 8 50 |
| N. Nevin | 10 00 | P. A. Buell & Co. | 5 00 |
| Austin Bros. | 15 00 | S. C. H. and A. Works | 26 00 |
| Miss A. C. Clapp | 18 50 | Sargent Bros. | 10 00 |
| P. Visher | 12 00 | | |
| J. F. Visher | 7 00 | | $259 00 |
| Mrs. B. Keef | 3 00 | | |

# ANNUAL ADDRESS.

By General N. P. Chipman, of Red Bluff, Tehama County, California. Delivered at the Pavilion Thursday evening, September 20, 1888.

## THE EVOLUTION OF CALIFORNIA.

Mr. President, Ladies, and Gentlemen: In casting about for a subject upon which to address you, I have determined to use the hour you have kindly offered me in showing the evolution of California, with a word at the close in relation to the part your four counties—San Joaquin, Merced, Stanislaus, and Tuolumne—are performing in the marvelous development now taking place in this marvelous State.

California, the second largest State in the Union, contains one hundred and eighty-eight thousand nine hundred and eighty-one square miles; was acquired by the United States in 1848; the people met in convention to form a government at Monterey in September, 1849; the Constitution was adopted and a Legislature elected in November, 1849; the Legislature met and the Governor was inaugurated in December, 1849; and by Act of Congress, approved September 9, 1850, California as a State took its place—the thirty-first in the galaxy of the American Union.

This is the skeleton outline of California's birth. What pen shall write her proud history and prouder achievements? What prophetic vision shall unfold her grand future and grander achievements?

Nations are made up of units of very unequal value. Territory is sought by governments often, I may say usually, with little conception of their ultimate value or importance, but rather to aggrandize territory, or secure positions of importance in giving strength and self-protecting power.

The thirty-first unit in point of seniority, and when admitted probably the thirty-first in elements of Statehood, California has risen in rank and influence until she is one of the most conspicuous of the group of American States, and is more widely known throughout the globe than any State in the Union.

California was a trophy of war. Almost at the same moment that the United States and Mexico were signing the treaty of peace, the ratification of which by the several governments gave to us this rich heritage, gold was discovered under circumstances such as soon after created the wildest excitement and the most intense interest of any event that had occurred on the continent. There were then probably not to exceed fifteen thousand white population in the country, most of whom had, since 1843, come from the East and Oregon Territory. Some cereals had been grown, some fruits raised, and enough of agriculture pursued to show something of the capabilities of the soil and climate, but the people were mainly engaged in pastoral pursuits.

In the days of the greatest prosperity of the missions there were more cattle and horses in the valley regions of Southern California than are now in the entire State.

The policy of the ecclesiastical rulers had been to discourage the settlement of the country, deeming such course best calculated to advance their chief object—the conversion of the savages.

As early as 1831 wheat, barley, corn, beans, and peas were grown, the entire product being valued at $86,284.

Of domestic cattle, horses, mules and asses, sheep, goats, and swine there were many thousands; besides many thousand wild horses and cattle.

In those days a saddle horse was worth $10. (They had little use for any other.) A fat ox sold for $5; a sheep for $2. Two sheep were worth as much as a fat ox, and about the same as now.

As we look back upon the picture of serene loveliness that must have been presented in these great valleys, of waving grasses and wild grains and flocks of animals grazing undisturbed, one almost regrets that the avarice of man or the necessities of our race forced us to rudely disturb the Arcadian happiness of the people who inhabited these shores in those patriarchal days.

But gold was discovered, and, as if by magic, the scene changed almost as quickly as the shifting curtains of the sky in an approaching storm.

From Mexico, from Europe, from the Atlantic States, from South America, and from China there came pouring into the port of San Francisco, and down the western slope of the Sierras, in wagons and on foot, such a mixed and heterogeneous mass of energetic, daring, and reckless men as had never before invaded any part of the continent, except, possibly, in the conquest of Mexico.

In a very short time California contained a mixed population of nearly a quarter of a million souls. They came not to build up a State, but to gather riches and return to their homes. The climate did not bring them; the exuberance of the soil did not bring them; it was gold, gold, gold. All else faded before the highly wrought imaginations of these adventurous spirits. Where sixty bushels of wheat would grow to the acre, they paid $40 per barrel for flour, and pork, and shipped it around Cape Horn; potatoes, almost indigenous to the soil, were worth a half a dollar a pound; a pair of coarse boots was worth $40, and one who indulged the luxury of high heels and fancy tops paid $100. An insignificant storeroom, constructed of rough boards, in San Francisco rented for $3,000 per month; the old Parker House, which some of you remember, rented for $120,000 per annum; lumber, that could be easily produced on the coast and in the mountains, rose to $500 per thousand feet; the "El Dorado," a canvas tent of moderate size, used for a gambling saloon, brought $40,000 per annum, and the United States Government paid $7,000 per month for a Custom House. Wages were $1 per hour, and skilled labor brought $20 per day; as high as 15 per cent interest per month was paid with good security. People paid these enormous prices, wages, rents, and interest, and still accumulated immense fortunes.

In the diggings the miners found themselves without the means of effectively administering the law and were in fact a law unto themselves. In San Francisco the lawlessness of certain classes, and the prostitution of the powers of government to the uses of the lawless, forced into existence that historic and remarkable organization known as the Vigilance Committee, and even as late as 1855 it exercised its functions. It tried and executed criminals; it defied the writ of habeas corpus, and even placed under arrest a Judge of the Supreme Court who issued it.

When I look back upon that period and remember the motive that pervaded the people, and that they came not to build and stay but to gather up and carry away, it is to my mind one of the grandest episodes in our

nation's history, and evinces the highest proof of our capacity for self-government that out of these venturesome and restless spirits there came wisdom to frame a Constitution and enact a body of laws so sound in principle and progressive in spirit as to become substantially the foundation upon which the permanent prosperity of the State was to rest. These men gave us a Practice Act that has expanded, with a little departure in purpose and scope, into the Codes of to-day; they made a departure from the common law, under which most of them must have been reared, as to the domestic relations and rights of property, and gave us the wiser and better civil law which makes of the woman and the wife an owner by something more than dower or for life. Upon the Supreme Bench was placed lawyers of the time who enriched our literature by the wisdom and beauty of diction of their opinions and decisions.

A rugged justice pervaded the mining camps, and gold dust was safer then in an unguarded shanty than stovewood now in our back yards. In all the struggles of those early days lawlessness and crime had but temporary victories. The Vigilance Committee itself, while in a certain sense a lawless body, was in fact a protest against lawlessness and crime. The ruling forces of society were for law and order, and a code of honor, chivalric and manly, seemed to have set itself up in the hearts of the people. The men who have survived that wonderful period are many of them among us yet, and I always feel like lifting my hat in veneration when I meet one of them. The annals of American history in connection with the birth and the growth of no other State will record a like number of men comparable to those found in and out of the Society of California Pioneers. They came for gold and got it. From 1849 to 1857 there was deposited in the United States Mint $385,255,454. The shipments by steamers amounted to $376,191,632. In 1857 it was estimated that one hundred thousand miners had already returned to their homes, and many took back their gold without reporting. It was thought, and by high authority it was estimated, that $600,000,000 had to that time been mined in the State.

Gold was found in nearly all the streams emptying into the great valley region, and gold seekers were necessarily made acquainted with the valley portions of the State.

The quick eye of the American was not slow to discover something here besides gold; the high prices of the necessaries of life, and the rapid exhaustion of the richer placers that lay along the mountain streams, gradually unfolded the agricultural resources of the State, which have since been the marvel of the world. Indeed, so rapidly did the people enter into this new field, when once they began to think of making homes here, that in 1856 there were five hundred and seventy-eight thousand nine hundred and sixty-two acres in cultivation, and of wheat there was grown in that year nearly four million bushels; of barley, four million six hundred thousand bushels; of oats, one million two hundred and fifty thousand bushels, and a large quantity of butter and cheese was made, and a large number of fruit trees were planted.

The returns show that in 1856 there were of the domestic animals six hundred and eighty-four thousand cattle, one hundred and ten thousand horses, thirty thousand mules and asses, two hundred and fifty-three thousand sheep, and one hundred and eighty-six thousand swine.

The halo that had surrounded the brow of the gold seeker was vanishing. A new and more permanent industry was springing into life. California began to show elements of permanent strength and growth. Manufactories were being established, and people were gathering around

them their household gods and making homes. The tonnage arriving and departing from San Francisco was exceeded only by three American cities, New York, Boston, and New Orleans. We were already exporters of flour, oats, and barley, potatoes, tallow, wheat, lumber, and other products besides gold and silver.

Our public schools, beginning in 1851 with eleven thousand children, now had thirty-five thousand.

The period of gold mining had had its rise, and although, perhaps, not on the decline, it was fast losing its prestige as a controlling industry. Already it was seen that a State could not be built up out of an aggregation of mining camps; that agriculture and manufactures were at the foundation of permanent prosperity; that nature had strewn her gifts bountifully over the face of California, and those people were fortunate who were here to embrace them. The grandeur of her mountains; the phenomenal fertility of her soil; the glories of her varied climate; her noble rivers; her beautiful valleys and her charms for physical existence seized upon the judgment and imagination of those early people, and chained them spell-bound to the soil.

With this change came the second discovery of California. I do not think any one yet began to see, even in dreams, the ultimate greatness of the State. With that instinctive appreciation of a good thing when he sees it, the American settler had already pitched his tent here to stay, but with no very clear idea of the future of the State.

To the gold diggings and the quartz mining, now also beginning to be developed, and to pastoral pursuits, were added agriculture and manufactures.

From a product of less than forty thousand bushels of the cereals, as shown by the census of 1850, we had for the census of 1860 over twelve million bushels; and for 1870, another decade, over twenty-eight million bushels; and in 1884, the product reached nearly sixty-eight million bushels, of which the wheat product alone was over forty-three million bushels.

Traveling parallel with the wheat interest, was the wool interest. In 1854 we produced one hundred and seventy-five thousand pounds; in 1860 it had reached over three million pounds; in 1870, over twenty million pounds; in 1880, nearly forty-seven million pounds, and had been as high as fifty-six million pounds in 1876.

Wheat growing in the United States was unnaturally stimulated between 1875 and 1880 by a series of crop failures in Europe, which caused a demand never before or since so great.

The world's product went on without any diminution in the United States, and prices have fallen on the farm from a little over $1 per bushel, to a trifle over 83 cents, showing a decline of over 20 per cent. The value of an acre of wheat has fallen over 22 per cent. The average value per acre since 1884 has been a little over $8.

Keeping pace with agriculture, our manufactures have developed in like proportion.

In forty years we have stepped to the twelfth rank of the manufacturing States of the Union.

In agriculture we rank first, considering our wines and fruits.

In wool growing we rank about third, and we grow one sixth of the product of the United States.

In the production of gold we rank first.

I am not permitted to detain you in detailed evidences of the marvelous growth of the State. There are interests of large import not known even

to ourselves generally. Take for example petroleum oil. Less than ten years ago it was discovered. Now we produce not far from fifteen million gallons, and rank third among the States in this product.

I cannot stop to show you our vast wealth in timber, now rapidly disappearing from western forests, and nearly gone from the eastern regions, thus adding immensely to the value of our own forests.

With the decline in values of wheat and wool, and through the energetic and faithful efforts of our fruit growers, the Evolution of California brought us to confront a new and by far the most important condition of our development yet unfolded.

Gold was no longer king; wheat had ceased to hold its scepter over us; wool had become a slave instead of a master.

Here we were struggling against the world in wheat growing, with a disadvantage of transportation remorselessly immovable, and always against us; our lands were growing less productive; prices were falling; new areas of wheat land were opening elsewhere to cut us off from the world's markets; our population was but slowly increasing; lands were being aggregated, and monopolized in large holdings; our matchless climate was given no economic value; wheat land in California was valuable only as other wheat land of the globe, in ratio with its productive capacity, and lands not capable of growing cereals had a value only for grazing sheep and cattle, and in small tracts lost all value.

The light had begun to dawn upon Southern California. Water and climate and enterprising effort were doing their work. From 1880 to 1886 the increase in population in San Bernardino County was 128 per cent; in Los Angeles, 116; San Diego, 102; Fresno, 89; Santa Barbara, 73; Tulare, 66; San Luis Obispo, 63; Ventura, 60; or an average of 87 per cent in these eight counties.

In those six years the great wheat counties of San Joaquin and Colusa had gained but 9 per cent; Sacramento County, with a wealth of undeveloped resources, gained but 3 per cent; Butte County, famous for wheat and wool, had actually fallen off in population. In seventeen counties of the State, from 1880 to 1886, there was an absolute loss of population, and that loss, too, had fallen upon some of the best counties in the State. Even our bonanza year in wheat led to no change; a decadence followed in the very counties where the crop was largest. There were silent forces at work north as well as south of the Tehachapi. We of the north had not the advantage of competing lines of railroads to cheapen our transportation, and, more than all, to sound the praises of our great resources all over the East; we had not the unmistakable certificate of climate found in orange groves and olive orchards; but large plantings had been going on in all kinds of fruits, including the orange and the olive; our signal office stations were recording the truth of meteorological observations from Red Bluff south through all our valleys; that noble army of fruit growers were persistently making their way into eastern markets; the wine makers were astonishing the world with the excellence and abundance of their products. As if by magic there seemed to dawn upon the vision of the people of the United States that a new California had been discovered, and the golden period of 1849 seemed to be repeating itself.

What was all this necromancy? The trains of the Central Pacific had been bearing the people to and fro from the Atlantic and Pacific for fifteen years or more, but they had come and gone and seen nothing.

I will tell you the secret. The farmer of the northwest looked through his frosted window towards the setting sun; he read and was convinced that it was shining upon a land where the orange and the olive grow, and

where the lowest temperature in winter is sixty degrees above the cold that he and his domestic animals must endure; where all the products known to the most favored Western States were common to the soil; where a wide field of enterprise invited; where the fruits of every clime grew in exuberance and promised a rich reward to the intelligent grower. He read from the veracious reports of neighbors gone before of the products of this wonderland, that in a little more than a decade we have increased our exports east of raisins from a few experimental boxes to eight hundred thousand boxes; that we are making twenty million gallons of wine annually; that from insignificant shipments a few years ago we are sending out daily trains to all parts of the East of the most delicious green fruits in the world—reaching thousands of carloads; that California will soon supply the world with canned vegetables and fruits; that oranges are grown in every valley of the State and in the foothills to an elevation of two thousand feet; that thousands of acres await his coming, attainable at reasonable prices; that a fruit farm of twenty acres intelligently managed is a source of income with less exposure and with more enjoyable employment than an ordinary farm of ten times that area cultivated to wheat or cereals. He turns to our industrial statistics, and he finds amid all this stir and activity in fruit growing, our gold and silver output goes steadily on, and that mining fields are still inviting. He finds that wheat and wool and cattle and sheep and all the products of the farm are, as heretofore, forming a part of our industries; that manufactures are rapidly increasing, our towns and cities building up, and all the indicia of a prosperous people are everywhere visible. If there is an ideal home on earth it must be in California, he thinks, and he comes. He must come. Perhaps not this year or next, but nothing can keep the man who is able to do so from coming to this coast so soon as he can cut loose without too great sacrifice from his present home, and is not restrained by overpowering circumstances.

They will not all come. What I mean to say is, that of the forty-five million people in this country who to-day live in a climate where the thermometer ranges from five to fifty-five degrees below zero in the winter, there will be enough who want to escape the rigors of those frozen regions to build up here a great State.

The census of 1900 will show a population in California of five million souls; many far-seeing men place the figure higher.

Such a population will restore the prestige of the wheat grower; our extensive systems of irrigation then in operation will give large returns to thousands of acres for grasses; our fruit area will be enlarged, and the home consumption of wheat will demand all that is grown from the remaining lands. California will make her own price and not Liverpool. Five million people will consume nearly twenty-five million bushels per annum, which is more than we export now.

In tracing this wonderful development, this evolution of a great State, Mr. President, I was necessarily obliged to generalize largely and to avoid details, but the picture is not overdrawn, its lights and shades are cast by the living truth that shines upon it.

California was the dream of the adventurer; it has become the realization of the typical home of a free American. With all its wealth of industries and practical capabilities, it is and always will be surrounded by a halo of romance that will make it unique among the States of the Union.

Great in manufactures, in agriculture, in her forestry, in her wines, and in her fruits, she can never be commonplace. She is destined to become and will always remain the Empire State of the great West.

And now, Mr. President, to come nearer home, let me ask what District No. 2 has done, is doing, and must do to give her standing, power, and influence in this grand development?

As States are the units of nations, so in our system counties are the units of States. I wish to say a word as to the four units composing the Second Agricultural District of our golden State: The great valley of California, embracing one third of the agricultural lands of the State, is included between the foothills of the Sierra Nevada on the east, and the Coast Range on the west. Its length from the Tejon Mountains on the south, to Red Bluff on the north, where the valley properly terminates, is about four hundred miles, with a varying width from over sixty miles to less than forty miles. Its total area is about seventeen thousand six hundred square miles, or eleven million two hundred and sixty-four thousand acres. This great valley is broken into two divisions, and are known as the Sacramento Valley and the San Joaquin Valley.

Professor Hilgard, in his "Agricultural Features of California," terminates the Sacramento Valley on the south at the Calaveras River in San Joaquin County, and he gives it about six thousand two hundred square miles, or three million nine hundred and sixty-eight thousand acres. This would make the area of the San Joaquin Valley eleven thousand four hundred square miles, or seven million two hundred and ninety-six thousand acres, nearly double the area of the Sacramento Valley. I suppose the counties of your district embrace at least one third of this vast territory, or about two million five hundred thousand acres.

A comparison of your assessment roll for the last four years discloses some significant facts.

From 1884 to 1887 your four counties declined in assessed valuation from a total in 1884 of $66,900,014 to $63,410,349 in 1887, a loss of nearly $3,500,000, and yet one year later, in 1888, your valuation leaped to $71,765,979, a gain in valuation over 1887 of over $8,250,000. This rapid increase in valuation is shown in nearly all the valley counties. The boom in Southern California has had the effect, I am sorry to say, to materially advance taxable valuations elsewhere, without bringing with it the immigration and the purchasers which the rise in values would seem to indicate must have followed. I will in a moment notice the drift of immigration in the State.

All these years the price of the leading product of your soil has been declining, until the margin of profit has almost disappeared. You are getting some of the new population, and you are feeling the impulse of the changes going on elsewhere in the State, through your assessment roll, as I have shown. In fact, you ought to have more than doubled your assessment roll as well as your population, for you have a vast area of irrigable lands as rich as can be found, and you have every known advantage anywhere existing in the State.

It seems to me that you are prostituting the highest gifts bestowed on any of our people, by keeping up this incessant agricultural monotone of wheat, wheat, wheat, when you have the most richly endowed portion of the entire State, and the source of the greatest wealth of any like area in the State.

I would not speak so plainly if your position were not assured, and if you had not within your grasp the highest possibilities. Don't allow yourself to be offended until you have heard me through. One good crop in three in San Joaquin, Stanislaus, or Merced means pretty nearly as much as three crops in some other portions of the State where wheat growing is impoverishing the soil and pauperizing the owner. When your crop fails, it is total, I understand, and you lose only seed and cost of seeding. In

other places I might name, the farmer nurses the hope of a crop clear to the tail of the thrasher, and when he hauls away three sacks to the acre, and sells for $4 50, and notes a loss of about $4 cash per acre expended, I fancy it makes a Merced wheat farmer satisfied even with his hard lot. I understand how cheaply you can farm, and how the genius and enterprise of your Stockton inventors and manufacturers have reduced the cost of harvesting to almost a song, comparatively, and that, as wheat growers, you are highly favored. I admit all this. What I am quarreling with you about now is that you are doing with your soil, in planting to wheat, what Governor Stanford would be doing with his blooded mares, if he were giving to the world $150 mules instead of $40,000 horses, such as that sold the other day at auction, in Kentucky.

If you will drop in upon that highly civilized community of Riverside, and look around, you will see what I mean. Here is land but a few years ago an arid desert, selling for $1,000 per acre, and showing fair interest on that figure. Jump on the cars and visit your neighbor at Fresno. Behold, the magician's wand has swept over these hot sandy plains and desolate waste places, and the inspired people have with their own hands beaten back the raisin exports of Spain, and almost driven them out of the American market. Land not many years ago valueless is now worth almost all a man is minded to ask for it. The products of Fresno can pay passenger time for transportation to New York and Boston, and leave to the grower more profit per pound than you can get per pound for your wheat in Liverpool, and he is producing five times as many pounds to the acre.

I am leading up to this proposition that nowhere in any of the great valleys of California where land is suitable for irrigation, as yours is, and where water is attainable for that purpose, can the owner afford to pursue the old methods; nor can communities be built up to any high degree of prosperity without resorting to irrigation in regions situated as most of your great valley is.

From my standpoint I consider the three counties of San Joaquin, Stanislaus, and Merced in many respects the most highly favored of any like area in the State. Your central position is one of great strategical importance in your battle with transportation. All competing lines of railroad to our metropolis must pass by or near to you. You are within cheap and quick communication with the navigable waters of the State; you have an immense area of irrigable land, and you have water in abundance to put on it; your climate leaves nothing to be desired. To my mind, such conditions in California mean simply bullion, the dies, the molds, the furnace, and nothing wanting but a little fire to turn out the twenty-dollar pieces.

I know what the wheat farmer is saying to all this. I am perfectly conscious that he will not stop much longer to hear me talk such heterodoxy, but I beg him out of courtesy to a stranger, who has come a long distance for the privilege of talking a little modern nonsense, to hear me a moment longer.

Experience teaches, and statistics show, that the irrigated lands of the globe are the most profitable as they are the most productive. In our climate successive crops can be produced each year. Fewer acres will sustain a larger population. The lands become intrinsically more valuable, and retain their productive capacity longer. The water not only brings out the fruitfulness of the soil, but is itself a fructifier. Practically water increases the acreage. If he is a benefactor who makes two blades of grass grow where one grew before, how much more is he a benefactor who makes two acres of land out of one. Irrigation to the million acres of your noble valley means creating a million more acres.

You don't know anything about raising fruit, and you are too old to learn. Very well. You know how to raise grass and feed it to stock, and there is three times the profit in that over wheat growing. Do you know that the hay crop of the United States is more valuable than the wheat crop? It is so. This highly evolved and developed animal called man pays less for his flour than he does for forage for his domestic animals.

One acre of your rich irrigable land will produce more value in grasses than any ten in wheat, year in and out.

You don't want to raise grass or fruit. Very well. Sell half of your land to some one who does. Loan the money at 6 per cent interest and you will have more money at the end of the year than you have been having, unless you continue to raise wheat on the land reserved.

Mr. President, I have heard the groans and lamentations of your farmers for years resounding throughout this great valley, and as far north as my home. I have heard them pray for rain (and when a California rancher prays you may know he is in trouble); I have heard them praying for rain when we were having twenty inches, and you were burning up with six. Why is it in all these years you have not seen how much more greatly blessed you were than we. In your noble valley, washing the parched shores of the grandest domain on earth was all the water you needed flowing useless to the sea, charged with fertilizing properties, but above all carrying in its bosom the elements to make you all rich and furnish homes for a million souls.

You have treated your land like the gods treated Tantalus, who was placed in the midst of a lake whose waters receded as he tried to drink, and was left to die of thirst. Like him your parched earth cried out as the waters flowed past babbling and joyous, yet regretful, to the sea.

Let me halt a moment at this point and show you the movements of population to this State. Let us see if we cannot draw a lesson of value to us on this same subject of irrigation.

I have prepared a table showing the changes in population of certain representative counties of the State, including your four counties, and the County of Fresno, in the San Joaquin Valley; five representative counties in the Sacramento Valley, and three in the southern part of the State.

The Federal census of 1880 gave a population of four and three tenths to each school child in the State. We have had no general census since, but we have a school census each year, and assuming this ratio of four and three tenths to be the same now as in 1880, we easily find our population by consulting the county school census. I have done this, and I ask your careful consideration of the result:

| County. | 1880. | 1886. | 1888. | Gain in Six Years. | Gain in Eight Years. |
|---|---|---|---|---|---|
| Merced | 5,656 | 6,622 | 6,757 | 966 | 1,101 |
| San Joaquin | 24,354 | 26,626 | 27,098 | 2,272 | 2,744 |
| Stanislaus | 8,751 | 10,501 | 10,320 | 1,750 | 1,569 |
| Tuolumne | 7,848 | 6,920 | 6,811 | *928 | *1,037 |
| Fresno | 9,478 | 17,987 | 25,202 | 8,758 | 15,724 |
| San Bernardino | 7,786 | 17,759 | 25,296 | 9,973 | 17,510 |
| Los Angeles | 33,379 | 71,415 | 117,175 | 38,066 | 73,796 |
| San Diego | 8,618 | 17,376 | 34,713 | 8,758 | 15,724 |
| Sacramento | 34,391 | 35,411 | 36,997 | 1,020 | 2,606 |
| Colusa | 13,118 | 14,285 | 14,013 | 1,167 | 895 |
| Butte | 18,721 | 18,137 | 17,999 | *584 | *722 |
| Yolo | 11,772 | 14,099 | 13,850 | 2,327 | 2,078 |
| Yuba | 11,270 | 9,150 | 9,447 | *2,120 | *1,823 |

*Loss.

This is certainly very remarkable. Fresno County has gained in eight years nearly as many as the entire population now of Merced and Stanislaus, both in the same great valley; and yet in 1880 Merced and Stanislaus had fourteen thousand population and Fresno less than ten thousand. In 1880 San Joaquin had over twenty-four thousand population, and Fresno, as we have seen, less than ten thousand, and yet Fresno has almost overtaken San Joaquin.

Los Angeles County has gained in population in eight years almost as many as the population to-day of the entire San Joaquin Valley, including Fresno. Starting with something over seven thousand population in 1880, San Bernardino County has almost overtaken San Joaquin with over twenty-six thousand.

When we look into the Sacramento Valley we find the same disparity of gains. Butte and Yuba Counties have actually lost ground and gone back in eight years, and Yolo has fallen off in the last two years. The gain in Colusa is only about one hundred persons each year, and it is not much better in Sacramento.

The significant fact which I wish to impress upon you is that the great gains in population in this State, with the single exception of Fresno County, are confined to a few counties south of the Tehachapi.

San Bernardino stands at the head of the list of gains, and can any of you tell me why?

Fresno is the only county in your magnificent valley that shows any decided movement forward in population, and can you tell me why?

In that rich and fertile region lying north of you as far as Red Bluff, embracing the finest wheat and fruit lands in the State, with a climate in no material sense different from that south of the Tejon Mountains, we find absolute stagnation so far as increase of population goes.

Where you find desert lands and water on them, there you find the people flocking. The inference is plain. If you expect people to come into your country you must turn your great channels on the surface of the ground and bring land and water together.

In the Sacramento Valley, in Vacaville, in Sacramento, Yolo, Butte, and Tehama Counties, indeed everywhere north of you, deciduous fruits are profitably grown without irrigation. Irrigation is the exception, and yet with this evidence before their eyes, the immigrants do not stop there.

It is my opinion, Mr. President, that two things are wanting in our part of the State; first, water, of which we have an abundance, must be put upon the land; and second, we must develop more enterprise among our people.

You cannot find a community in this State that has benefited largely by our immigration, that has not worked for it, and worked hard and spent money. This is a large State, its attractions are many and widespread. Energetic and desirable people settle down where they find evidences of thrift, and growth, and enterprise, and they will move on until they find these. From what I can learn your people are beginning to realize this.

I cannot stop now to notice in detail the great work you are laying out for yourselves. I cannot overlook, however, the immense enterprise inaugurated in Merced County. It is in harmony with the thought I am seeking to enforce. The men who have ventured a million and a half dollars to make that county yield its treasures heretofore locked up, deserve the gratitude of this whole community and of the State. It is a great enterprise, and is fraught with enormous consequences to you all.

I hear of other enterprises looking to a great system of irrigation for the whole valley. Let them receive every encouragement, for in their success lies the future of this wonderful region.

In all regions of country there must be a center of trade, a commercial rallying point and emporium of exchange. Nature has made the City of Stockton the focal point for the commerce and traffic of this great valley. There is more than a promise that you are to have natural gas in abundance; it seems almost a realization. It would be hard to forecast what this may mean to your business. Here, also, must center the transportation of this expansive and expanding region. It is beyond the power of man to rob you of this splendid commercial advantage. Since I have seen what your two large flour mills are doing and may do in preparing your chief cereal for man's uses, I am almost led to recant and take back my assault upon wheat growing for your valley. Your chief city already has the air and manners of an emporium. Something has brought you to this prosperous and promising condition; some genius of enterprise, public spirit, and liberality, and devotion to local interests, has been the mainspring.

I would not be invidious; and yet I think I may, without mentioning all to whom you are indebted, record now and here the name of one man whose memory will live while Stockton lives, and who is a typical man of affairs and progressive ideas. I halt in my address to offer the health and long life to your Mayor, Hon. L. U. Shippee.

There is everything to encourage your people. Nature has strewn her gifts most bountifully around you. Your magnificent display here in this hall, and at your grounds, shows a development of which you may well be proud; it shows something of the boundless resources of your noble valley, and the almost limitless industrial expansion of which you are capable.

Mr. President, there is a grand future before you. I see in my prophetic vision your treeless plains covered with perpetual verdure, great forests of golden fruit, and wide-spreading meadows of emerald grasses; beautiful homes surrounded with all the comforts of an advanced civilization; churches, schools, everywhere; a clean, healthy, moral, happy people; self-reliant, self-supporting, self-respecting, God-fearing people.

I see along your lines of travel and among your homes, charming towns and villages, where all the arts of the architect and the landscape gardener have supplemented the cultivated taste of the people to show that these heaven-sent gifts are worthily bestowed.

I see this aspiring and ambitious City of Stockton, where your products are now gathered, and where we are now assembled, a large and prosperous center of trade, holding to our metropolis the relation that the City of Philadelphia holds to the metropolis of the East.

A million of people in that future that rises before me will enjoy this fair land of yours, and claim it as their heritage.

You and I, Mr. President, may not see this in the flesh, but the boy and the girl are before me who will witness this crowning glory of this heaven-blessed land, now all your own.

## 1888. CENTRAL PACIFIC RAILROAD, SPECIAL FREIGHT TARIFF ON GRAIN.

*In Carloads of not less than 20,000 Pounds. Rates are in Cents per 2,000 Pounds.*

| From. | To Stockton. | From. | To Stockton. |
|---|---|---|---|
| Redding | 365 | Kirkwood | 435 |
| Clear Creek | 365 | Corning | 445 |
| Anderson | 360 | Richfield | 450 |
| Klotz Siding | 355 | Finnell | 450 |
| Cottonwood | 350 | Tehama | 450 |
| Buckeye | 350 | | |
| Hooker | 345 | Davis | 270 |
| Red Bluff | 325 | Tremont | 280 |
| Rawson | 325 | Dixon | 290 |
| Tylers | 325 | Batavia | 295 |
| Tehama | 325 | Elmira | 310 |
| Sesma | 325 | Cannons | 310 |
| Copeland | 325 | Suisun | 270 |
| Vina | 320 | Teal | 260 |
| Soto | 315 | Goodyears | 255 |
| Cana | 310 | Benicia | 230 |
| Anita | 305 | | |
| Nord | 300 | Cordelia | 300 |
| Shaws | 300 | Creston | 305 |
| Chico | 295 | Napa Junction | 305 |
| Roble | 295 | South Vallejo | 305 |
| Durham | 290 | Thompson | 305 |
| Nelson | 285 | Napa | 305 |
| Silsbys | 275 | Union | 305 |
| Biggs | 260 | Oak Knoll | 305 |
| Gridley | 245 | Truebodys | 305 |
| Live Oak | 225 | Yountville | 305 |
| Lomo | 220 | Oakville | 315 |
| Marysville | 215 | Rutherford | 320 |
| Yuba | 215 | Bello | 330 |
| Reeds | 215 | St. Helena | 350 |
| Wheatland | 205 | Krug | 368 |
| Sheridan | 205 | | |
| Ewing | 205 | Barro | 375 |
| Lincoln | 195 | Bale | 380 |
| Whitneys | 190 | Walnut Grove | 380 |
| | | Calistoga | 390 |
| Roseville Junction | 185 | | |
| Antelope | 175 | Brighton | 150 |
| Arcade | 160 | Florin | 135 |
| Haggins Switch | 160 | Elk Grove | 135 |
| American River | 160 | McConnells | 135 |
| Sacramento | 150 | | |
| | | Cicero | 210 |
| Merritt | 280 | Clay | 210 |
| Woodland | 300 | Carbondale | 210 |
| Curtis | 300 | Ione | 210 |
| Knights | 300 | | |
| | | Galt | 125 |
| Yolo | 300 | Acampo | 90 |
| Blacks | 300 | Lodi | 85 |
| Dunnigans | 305 | | |
| Harrington | 305 | Oakdale | 145 |
| Arbuckle | 305 | Burnetts | 145 |
| Berlin | 305 | Clyde | 135 |
| Macy | 315 | Trigo | 125 |
| Williams | 320 | Farmington | 110 |
| Colusa Junction | | Milton | 130 |
| Maxwell | 345 | Waverly | 125 |
| Delavan | 345 | Peters | 95 |
| Norman | 355 | Holden | 85 |
| Logandale | 365 | Walthal | 70 |
| Willows | 375 | Charleston | 70 |
| Lyman | 385 | | |
| Germantown | 395 | Stockton | |
| Greenwood | 415 | French Camp | 75 |
| Orland | 415 | Lathrop | 75 |
| Walton | 435 | San Joaquin River | 125 |

SPECIAL FREIGHT TARIFF ON GRAIN—Continued.

| From. | To Stockton. | From. | To Stockton. |
|---|---|---|---|
| Banta | 125 | Turlock | 160 |
| Tracy | 125 | Delhi | 165 |
| Melrose | 240 | Livingston | 165 |
| Mitchell | 240 | Arena | 170 |
| San Leandro | 240 | Atwater | 180 |
| Lorenzo | 240 | Merced | 195 |
| Haywards | 240 | Athlone | 220 |
| Alvarado Cross Roads | 240 | Minturn | 235 |
| Decoto | 240 | Berenda | 255 |
| Niles | 240 | Madera | 265 |
| | | Borden | 275 |
| Washington | 260 | Sycamore | 285 |
| Warm Springs | 264 | Fresno | 295 |
| Milpitas | 264 | Malaga | 310 |
| Wayne | 264 | Fowler | 310 |
| San José | 264 | Selma | 320 |
| | | Kingsburg | 320 |
| Sunol | 240 | Traver | 325 |
| Pleasanton | 240 | Cross Creek | 325 |
| Livermore | 240 | Goshen | 335 |
| Altamont | 200 | | |
| Midway | 160 | Hanford | 375 |
| Ellis | 155 | Lemoore | 375 |
| | | Heinlen | 375 |
| Morrano | 85 | Huron | 375 |
| Ripon | 95 | | |
| Salida | 115 | Tagus | 345 |
| Modesto | 135 | Tulare | 345 |
| Ceres | 145 | Tipton | 350 |
| Keyes | 145 | Alila | 355 |

## RAINFALL IN STOCKTON SINCE 1849.

The following table of the rainfall in Stockton since 1849 was prepared from the records kept at the State Insane Asylum, and is arranged according to the seasons, showing the amount in inches of each month, during thirty-eight years, to January 1, 1889; also the quantity for every month, and the annual amount of rain:

| Months. | 1849. | 1850. | 1851. | 1852. | 1853. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| September | 0.250 | ------ | 1.000 | .003 | ------ | ------ | ------ | ------ | ------ | sprin. | .025 | .063 | ------ | ------ | .003 | .004 | .080 | ------ | .030 | ------ |
| October | 1.500 | ------ | .180 | ------ | ------ | .130 | ------ | .450 | .655 | 3.010 | ------ | 914 | sprin. | .355 | ------ | .120 | .480 | .001 | .620 | .130 |
| November | 2.250 | sprin. | 2.140 | 6.000 | .610 | .310 | .740 | .830 | 2.406 | .147 | 6.485 | 181 | 2.170 | .005 | 1.490 | 6.718 | 2.427 | 2.426 | 2.160 | .620 |
| December | 12.500 | sprin. | 7.070 | 13.410 | 1.350 | .230 | 2.420 | 2.900 | 6.632 | 4.329 | 1.834 | 4.282 | 8.637 | 2.327 | 1.815 | 7.867 | .364 | 3.511 | 6.480 | 3.450 |

| Months. | 1850. | 1851. | 1852. | 1853. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.500 | .650 | .580 | 2.400 | 2.640 | 2.900 | 4.500 | 1.375 | 2.444 | .964 | 2.310 | 2.668 | 15.036 | 1.733 | 1.077 | 4.776 | 7.699 | 3.440 | 5.070 | 4.180 |
| February | 0.500 | .350 | .120 | .620 | 8.940 | 2.740 | .020 | 4.801 | 2.461 | 3.906 | .931 | 2.920 | 4.260 | 2.751 | .180 | .712 | 2 010 | 7.104 | 2.280 | 3.170 |
| March | 10.000 | 1.880 | 6.400 | 2.020 | 3.600 | 2.200 | .260 | .675 | 2.878 | 1.637 | 5.110 | 3.320 | 2.800 | 2.360 | 1.303 | .481 | 2.018 | 1.010 | 3.510 | 2.490 |
| April | 4.250 | 1.140 | .190 | 2.700 | 3.240 | 3.290 | .160 | sprin. | 1.214 | .981 | 2.874 | .475 | .821 | 1.693 | 1.080 | 1.370 | .476 | 1.805 | .560 | 1.590 |
| May | .250 | .690 | .300 | .250 | .660 | ------ | .170 | sprin. | .203 | 1.037 | 2.491 | .590 | 1.808 | .355 | .742 | .460 | 2.252 | .008 | ------ | .820 |
| June | ------ | ------ | ------ | ------ | ------ | ------ | ------ | .350 | .098 | ------ | .107 | .135 | .011 | ------ | .087 | ------ | .100 | ------ | ------ | ------ |
| July | ------ | ------ | ------ | ------ | ------ | ------ | .100 | ------ | ------ | .030 | .549 | ------ | ------ | ------ | ------ | .004 | .018 | ------ | ------ | ------ |
| August | ------ | ------ | ------ | ------ | ------ | ------ | ------ | sprin. | sprin. | ------ | ------ | ------ | .006 | ------ | .085 | ------ | ------ | ------ | ------ | ------ |
| Total | 36.000 | 4.710 | 17.980 | 27.403 | 21.040 | 11.680 | 8.370 | 11.081 | 18.991 | 16.041 | 22.716 | 15.548 | 35.549 | 11.579 | 7.862 | 22.512 | 17.924 | 25.305 | 20.710 | 16.350 |

RAINFALL IN STOCKTON SINCE 1849—Continued.

| MONTHS. | 1869. | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| September | ------ | ------ | ------ | ------ | ------ | .230 | ------ | ------ | ------ | ------ | ------ | ------ | .003 | .500 | .180 | .190 | ------ | ------ | .27 | .88 |
| October | 1.050 | .150 | .140 | .030 | .310 | 1.090 | .010 | 2.110 | .360 | .340 | .580 | ------ | .240 | 1.860 | .930 | 1.400 | ------ | .22 | ------ | ------ |
| November | .830 | .670 | 1.090 | 1.370 | .760 | 3.450 | 5.860 | .300 | .720 | .510 | 2.050 | .045 | .730 | 1.110 | .510 | ------ | 6.080 | .84 | .52 | 2.70 |
| December | 1.550 | 1.350 | 11.490 | 6.250 | 3.940 | .230 | 2.850 | ------ | 1.310 | .420 | 1.670 | 7.090 | 1.650 | .270 | 1.000 | 5.690 | 1.240 | .82 | 3.06 | 2.42 |

| MONTHS. | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | .370 | 1.470 | 2.580 | .750 | 3.940 | 4.540 | 3.260 | 3.320 | 5.450 | 2.280 | 1.540 | 2.830 | 1.270 | 2.550 | 1.940 | 1.230 | 5.360 | .36 | 3.36 | ------ |
| February | 2.350 | 1.700 | 3.460 | 3.970 | 1.780 | .280 | 2.650 | .230 | 6.700 | 2.940 | 1.320 | 2.500 | .840 | .350 | 4.430 | ------ | .040 | 3.78 | .48 | ------ |
| March | .990 | .300 | 1.430 | .470 | 3.330 | .870 | 3.230 | .750 | 2.560 | 2.060 | .890 | .820 | 3.640 | 2.550 | 6.660 | .260 | 1.210 | .21 | 2.29 | ------ |
| April | .070 | .690 | .510 | .439 | .560 | ------ | .400 | ------ | 1.010 | 1.750 | 6.280 | 1.110 | 2.210 | 1.230 | 2.940 | .770 | 3.430 | 1.57 | .28 | ------ |
| May | .120 | .400 | .060 | ------ | .580 | ------ | ------ | .320 | .650 | .960 | 1.010 | .290 | ------ | 4.840 | .500 | ------ | ------ | ------ | .55 | ------ |
| June | .310 | sprin. | .040 | ------ | ------ | .450 | ------ | ------ | ------ | .200 | ------ | ------ | .110 | ------ | 1.270 | .050 | ------ | .03 | ------ | ------ |
| July | ------ | sprin. | ------ | .030 | ------ | ------ | .070 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ |
| August | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | .030 | ------ | ------ | ------ | ------ |
| Total | 7.630 | 6.730 | 20.800 | 13.300 | 15.200 | 11.140 | 18.330 | 7.030 | 18.760 | 11.460 | 15.430 | 15.090 | 10.720 | 15.260 | 20.360 | 9.620 | 17.360 | 7.83 | 10.81 | ------ |

# LADIES' GENERAL PAVILION COMMITTEE OF 100,

FOR THE FAIR OF 1888.

Mrs. J. W. Hart ---- Chairwoman.
Miss Carrie Roesch, Miss Clara Stier ---- Secretaries, Post Office, Stockton.

## SUB-COMMITTEES.

ENTERTAINMENT COMMITTEE.

Mrs. J. M. McCall ---- Chairwoman.
Miss Julia Hahn ---- Assistant Chairwoman.

DECORATION COMMITTEE.

Mrs. W. N. Elson ---- Chairwoman.
Mrs. C. Haas ---- Assistant Chairwoman.

NATIVE DAUGHTERS COMMITTEE.

Miss Althea Hickman, Miss Rose Gerlach, Miss Kitty Chalmers, Miss Maggie Davis.

COMMITTEE RECEIVING AND ARRANGING SCHOOL WORK.

Mrs. J. M. LaRue ---- Chairwoman.
Mrs. L. Basilio ---- Assistant Chairwoman.

COMMITTEE ON JELLIES, PICKLES, CRYSTALLIZED AND CANNED FRUITS.

Mrs. Jos. Hale ---- Chairwoman.
Mrs. J. C. Reid ---- Assistant Chairwoman.

COMMITTEE ON BABY SHOW.

Mrs. G. DeForce Cluff ---- Chairwoman.
Mrs. E. R. Hedges ---- Assistant Chairwoman.

COMMITTEE ON CURIOSITY SHOP.

Mrs. L. B. Holt ---- Chairwoman.
Mrs. J. S. Dunham ---- Assistant Chairwoman.
Mrs. Frank Bugbee ---- Secretary.

COMMITTEE ON CURIOSITY.

Mrs. G. DeForce Cluff and Mrs. C. O. Ivory ---- Lodi.
Mrs. W. W. Ferguson ---- Linden.
Mrs. Steele ---- Merced.
Mrs. Jennie Pervis and Mrs. Crow ---- Modesto.

GRANGE COMMITTEE.

Mrs. Hill ---- Collegeville.
Mrs. Geo. Locke ---- Lockeford.
Mrs. Sam. Waters ---- Clements.
Mrs. Jos. Adams ---- Stockton.
Mrs. Lucy Goff ---- Stockton.
Mrs. W. D. Ashley ---- Stockton.
Mrs. W. L. Overhiser ---- Stockton.
Mrs. O. O. Norton ---- Lodi.
Mrs. Geo. Hogan ---- Lodi.
Mrs. Creighton ---- Campo Seco.
Mrs. Mock ---- Sonora.
Miss Cabecut ---- Sonora.
Mrs. A. Thornton ---- New Hope.
Mrs. J. H. Thompson ---- New Hope.
Mrs. J. Haslacher ---- Oakdale.
Mrs. Lindslay ---- Staten Island.
Mrs. Peter ---- Staten Island.
Mrs. H. Saddlemire ---- Tracy.
Miss Vinet ---- Atlanta.
Miss Mamie Elliott ---- Atlanta.

Appointed to get an exhibit from the Grange.

COMMITTEE ON SEA SHELLS.

Mrs. Alice Kafitz ---------- Chairwoman.

COMMITTEE ON CUSHIONS AND PILLOWS.

Miss Ada Boschen, Miss Hattie Keep, Miss Clara Leffler, Miss Fannie Brown.

FINANCE COMMITTEE.

Mrs. J. C. Reid, Mrs. J. M. McCall, Miss Julia Hahn.

ENTERTAINMENT COMMITTEE FOR PUBLIC SCHOOLS.

Miss Clara Stier, Miss Ada Boschen.

BICYCLE CLUB COMMITTEE.

C. C. Moore, A. L. Wolf.

CATHOLIC SCHOOL COMMITTEE.

Miss Julia Weber, Mrs. J. J. Nunan.

EINTRACHT GLEE CLUB COMMITTEE.

M. Felchlin, L. Schneider.

NATIVE SONS AND DAUGHTERS COMMITTEE.

Miss Hannah Gray, Miss Althea Hickman, E. C. Owen, A. B. Sperry.

COMMITTEE ON AMATEUR THEATRICALS.

W. B. Starbird, James H. Budd.

REPRESENTATIONS OF SEASONS.

Mrs. S. C. Harry, Mrs. L. E. Benedict.

COMMITTEE ON CONSERVATORY DECORATION.

Miss Lena Bidwell, Chairwoman; Mrs. Milton Hart, Miss Hattie Carson, Miss Lizzie Bates.

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Rackety Jack, six years old | James McAfee | Stockton. |
| Fred Archer, four years old | Caleb Dorsey | Oakdale. |
| March Wind, two years old | Caleb Dorsey | Oakdale. |
| Suckling colt | L. U. Shippee | Stockton. |
| MARES. | | |
| Rachael, four years old | W. R. Ruggles | Stockton. |
| Salfarara, two years old | L. U. Shippee | Stockton. |
| Stetto S, two years old | L. U. Shippee | Stockton. |
| Suckling filly | W. R. Ruggles | Stockton. |
| Rachael, suckling filly | L. U. Shippee | Stockton. |
| CLASS II—ROADSTERS—STALLIONS. | | |
| Reliance, Jr., four years old | J. K. Baldwin | Bellota. |
| Hiram Wilkes, four years old | F. J. Post | Stockton. |
| Nephew, Jr., four years old | Mrs. M. B. Lam | Stockton. |
| Hawthorn, nine years old | L. U. Shippee | Stockton. |
| Argent, five years old | R. H. Walters | San José. |
| Mt. Vernon, seven years old | J. A. McCloud | Stockton. |
| Dexter Prince, nine years old | L. M. Morse | Lodi. |
| Echo, Jr., three years old | S. Hewlett | Stockton. |
| Wellerton, two years old | J. Boyce | Lockeford. |
| Harry N, two years old | N. Nevin | Stockton. |
| Ed, two years old | L. U. Shippee | Stockton. |
| Nutgrove, two years old | Ed. Topham | Milpitas. |
| Geo. S, one year old | G. W. Sampson | French Camp. |
| Cherokee Prince, one year old | Laura J. Jackson | Stockton. |
| ——, one year old | L. U. Shippee | Stockton. |
| ——, one year old | L. U. Shippee | Stockton. |
| ——, one year old | W. A. French | Stockton. |
| MARES OR GELDINGS. | | |
| Prince, four years old | Nathaniel Peck | Acampo. |
| Hathaway, four years old | J. F. Visher | Stockton. |
| Grace, five years old | S. Hewlett | Stockton. |
| Harvey Mc, four years old | B. E. Harris | San Francisco. |
| Cordia, four years old | J. H. Haley | Lockeford. |
| Palladin, five years old | L. U. Shippee | Stockton. |
| Mag, eight years old | H. F. Gilbert | Modesto. |
| Bohemian Girl, four years old | R. E. Stowe | Stockton. |
| Flash, three years old | W. F. Jordan | Stockton. |
| Carrie Vernon, three years old | J. A. McCloud | Stockton. |
| Dewdrop, two years old | W. F. Jordan | Stockton. |
| Kitty Vernon, two years old | George M. French | Stockton. |
| Miss Fox, two years old | J. A. McCloud | Stockton. |
| YEARLING FILLIES. | | |
| Josie Williams | George Kneier | Stockton. |
| Nellie | F. B. Haslam | Stockton. |
| Flora | L. U. Shippee | Stockton. |
| Oasis | Lucy P. Goff | Stockton. |
| Lorina | B. E. Harris | San Francisco. |
| SPAN OF MATCHED ROADSTERS. | | |
| Lady and Mollie | J. F. Visher | Stockton. |
| Lady Washington and George | Sargent Bros. | Stockton. |
| Fearless and Adventure | B. E. Harris | San Francisco. |
| Homer and Hamlet | L. M. Morse | Lodi. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| TROTTING SUCKLING COLT. | | |
| Pilot | L. U. Shippee | Stockton. |
| Kismet | L. U. Shippee | Stockton. |
| Brentwood | B. E. Harris | San Francisco. |
| TROTTING SUCKLING FILLY. | | |
| Flossie | L. U. Shippee | Stockton. |
| Rosey | L. U. Shippee | Stockton. |
| Blondy | W. A. French | Stockton. |
| Maude Vernon | A. F. Gilbert | Modesto. |
| CLASS III—HORSES FOR ALL PURPOSES—STALLIONS. | | |
| Wreckman, three years old | J. Boyce | Lockeford. |
| Captain Tuft, three years old | W. F. Sebley | Stockton. |
| Davy Crockett, eight years old | W. T. Smith | Farmington. |
| Ben Allen, sixteen years old | W. S. Alexander | Stockton. |
| Enright, three years old | W. S. Alexander | Stockton. |
| B D, three years old | W. S. Alexander | Stockton. |
| Starlight, two years old | J. H. Haley | Lockeford. |
| Prince, two years old | F. B. Haslam | Stockton. |
| Ita, two years old | Frank Davis | Stockton. |
| Dave, two years old | T. H. Bardsley | Stockton. |
| Johnny Vernon, two years old | A. Gross | Stockton. |
| Dan Webster, two years old | W. S. Alexander | Stockton. |
| Storm, two years old | B. E. Harris | Stockton. |
| MARES. | | |
| Fannie, seven years old | William Thomas | Douglas Flat. |
| Mollie, six years old | William Thomas | Douglas Flat. |
| Flora, six years old | N. Nevin | Stockton. |
| Sweetwood, four years old | B. E. Harris | San Francisco. |
| Victoria, two years old | William Thomas | Douglas Flat. |
| FAMILIES—STALLIONS. | | |
| Mt. Vernon, seven years old, and ten colts | J. A. McCloud | Stockton. |
| MARES. | | |
| Tempest and four colts | L. U. Shippee | Stockton. |
| CLASS IV—DRAFT HORSES—STALLIONS. | | |
| Paris, six years old | Nicewonger & Ellenwood | Ripon. |
| Sir Francis, three years old | C. P. Allison | Lodi. |
| Len Smith, four years old | N. Nevin | Stockton. |
| Wastely, two years old | J. M. Ritchie | Grayson. |
| MARES. | | |
| Madame, six years old | W. B. Ellenwood | Ripon. |
| CLASS V—DOUBLE CARRIAGE TEAMS. | | |
| Romeo and Dexter | Mrs. E. P. Smith | Stockton. |
| Dick and Frank | L. U. Shippee | Stockton. |
| Allen and Bruce | B. E. Harris | San Francisco. |
| Colonel and Dick | Miss Irene Bailey | Stockton. |
| SINGLE CARRIAGE ANIMALS. | | |
| Roscoe Conkling | G. W. Sampson | French Camp. |
| Amy H | S. Hewlett | Stockton. |
| CLASS VI—SPAN OF MULES. | | |
| Judd and Puss | T. J. Pope | Stockton. |
| Ned and Quinn | T. J. Pope | Stockton. |
| Mollie and Coley | L. U. Shippee | Stockton. |
| CLASS VII—JACKS. | | |
| Bruce, three years old or over | I. R. Mickey | Milton. |
| Washington Eclipse, Jr., two years old | Levi Carter | Ceres. |
| Goliah, suckling jack | L. U. Shippee | Stockton. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| JENNIES. | | |
| Lumix, six years old | L. U. Shippee | Stockton. |
| Bird, five years old | L. U. Shippee | Stockton. |
| Julia, two years old | L. U. Shippee | Stockton. |
| Maude, one year old | L. U. Shippee | Stockton. |
| Annie, suckling jenny | L. U. Shippee | Stockton. |
| CLASS VIII—CATTLE—DURHAMS—BULLS. | | |
| 3d Kirklevington of Forest Home (63259), three years old or over | C. Younger & Son | San José. |
| 5th Kirklevington of Forest Home (6326), three years old or over | C. Younger & Son | San José. |
| 26th Kirklevington of Forest Home (Vol. 34), two years old | C. Younger & Son | San José. |
| Hightower (48383), two years old | C. A. Stowe | Stockton. |
| Napoleon, one year old | E. S. Beecher | Stockton. |
| CALVES. | | |
| Gilt Edge | C. K. Bailey | Stockton. |
| | L. U. Shippee | Stockton. |
| 43d Kirklevington of Forest Home | C. Younger & Son | San José. |
| COWS. | | |
| Jessie Maynard 3d, three years old or over | C. Younger & Son | San José. |
| 4th Belle of Forest Home, three years old or over | C. Younger & Son | San José. |
| Jessie Maynard 4th, two years old | C. Younger & Son | San José. |
| Amelia 12th, two years old | C. Younger & Son | San José. |
| Oxford Rose 11th, one year old | C. Younger & Son | San José. |
| Nevada Belle (815), one year old | C. Younger & Son | San José. |
| HEIFER CALVES. | | |
| | L. U. Shippee | Stockton. |
| | L. U. Shippee | Stockton. |
| 28th Rose of Forest Home | C. Younger & Son | San José. |
| Oxford Rose (1216) | C. Younger & Son | San José. |
| CLASS X—JERSEY CATTLE—BULLS. | | |
| Billy Ralston (365), three years old or over | Thos. Ward | Oakland. |
| Waterman (328), three years old or over | H. S. Sargent | Stockton. |
| Earl Mameluke (7087), three years old or over | Levi Carter | Ceres. |
| Maud's Olaf (15985), two years old | Thos. Ward | Oakland. |
| Silver King, one year old | Thos. Ward | Oakland. |
| CALVES. | | |
| Aloha S (20614) | H. S. Sargent | Stockton. |
| COWS. | | |
| Lady Maude (333), three years old or over | Thos. Ward | Oakland. |
| Phyllis (298), three years old or over | Thos. Ward | Oakland. |
| Pacific, three years old or over | Thos. Ward | Oakland. |
| Daisy W (700), three years old or over | H. S. Sargent | Stockton. |
| Lily Dale (747), three years old or over | H. S. Sargent | Stockton. |
| Lockeford Belle (879), two years old | H. S. Sargent | Stockton. |
| Minnie Warren (878), two years old | H. S. Sargent | Stockton. |
| Amy Platt (987), two years old | H. S. Sargent | Stockton. |
| Julia W (984), two years old | H. S Sargent | Stockton. |
| Anita, two years old | Thos. Ward | Oakland. |
| Oakland Queen (49034), one year old | Thos. Ward | Oakland. |
| Olefina (46858), one year old | Thos. Ward | Oakland. |
| Lady Wickham 2d, one year old | Thos. Ward | Oakland. |
| Violet, one year old | Thos. Ward | Oakland. |
| Modjeska (989), one year old | H. S. Sargent | Stockton. |
| Peg Woffington (985), one year old | H. S. Sargent | Stockton. |
| Susie of El Pinal (990), one year old | H. S. Sargent | Stockton. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XII—AYRSHIRES, HEREFORDS, AND HOLSTEINS—BULLS. | | |
| Riopica (1221), three years old or over | W. H. Mays | Stockton. |
| El Cuerro of Netherland (3336), two years old | F. H. Burke | Menlo Park. |
| King of Menlo (6497), one year old | F. H. Burke | Menlo Park. |
| CALVES. | | |
| Stockton (4453) | W. F. Sibley | Stockton. |
| | F. H. Burke | Menlo Park. |
| Aggie Cathleen's Pride (9126) | F. H. Burke | Menlo Park. |
| Lodi | W. H. Mays. | Stockton. |
| COWS. | | |
| Sylpha (6964), three years old or over | F. H. Burke | Menlo Park. |
| Thissa (9679), three years old or over | F. H. Burke | Menlo Park. |
| Kyeless (8538), three years old or over | F. H. Burke | Menlo Park. |
| Duchess of Oak Grove (3966), three years old or over | W. H. Mays | Stockton. |
| Onterette (4020), two years old | F. H. Burke | Menlo Park. |
| Boulanga (6659), one year old | F. H. Burke | Menlo Park. |
| CALVES. | | |
| Princess Tryntze (7837) | E. S. Beecher | Stockton. |
| Xebeo | W. F. Sibley | Stockton. |
| Bontje Lincoln 2d (11804) | F. H. Burke | Menlo Park. |
| CLASS XIII—HERDS—DURHAMS. | | |
| 3d Kirklevington of Forest Home; Jessie Maynard 3d, Jessie Maynard 4th, 4th Belle of Forest Home, Amelia 12th | C. Younger & Son | San José. |
| AYRSHIRE, HEREFORD, OR HOLSTEIN. | | |
| El Cuerro of Netherland; Sylpha, Kyeless, Onterette, Boulanga | F. H. Burke | Menlo Park. |
| JERSEY. | | |
| Maud's Olaf; Lady Maude, Phyllis, Anita, Oakland Queen | Thos. Ward | Oakland. |
| Waterman; Daisy W, Lily Dale, Amy Platt, Modjeska | H. S. Sargent | Stockton. |
| CLASS XV—SHEEP. | | |
| Just Right, Cotswold ram | C. Younger & Son | San José. |
| One pen Cotswold ewes | C. Younger & Son | San José. |
| CLASS XVI—SWINE—ESSEX AND BERKSHIRE. | | |
| Boar, four months old | W. A. French | Stockton. |
| Boar | L. U. Shippee | Stockton. |
| Boar, five months old | L. U. Shippee | Stockton. |
| Sow, one year old | W. A. French | Stockton. |
| Sow, four months old | W. A. French | Stockton. |
| Sow | L. U. Shippee | Stockton. |
| Sow | L. U. Shippee | Stockton. |
| Sow | L. U. Shippee | Stockton. |
| Sow and four pigs | L. U. Shippee | Stockton. |
| CLASS XVII—POULTRY. | | |
| Three pair Plymouth Rocks | L. U. Shippee | Stockton. |
| Three pair Brown Leghorns | W. A. French | Stockton. |
| One pair White Leghorns | Thos. Ward | Oakland. |
| Two pair Bantams | W. J. Hicox | Stockton. |
| One pair Rouen ducks | F. H. Burke | Menlo Park. |
| One pair Pekin ducks | F. H. Burke | Menlo Park. |
| One pair Toulouse geese | F. H. Burke | Menlo Park. |
| One trio turkeys | F. H. Burke | Menlo Park. |

## SECOND DEPARTMENT.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| AGRICULTURAL IMPLEMENTS. | | |
| One header | Matteson & Williamson | Stockton. |
| One lightning hay press | S. C. H. and A. Works | Stockton. |
| Two combined clod crushers, harrow, pulverizer, and leveler | Weinstock & Lubin | Sacramento. |
| One combined harvester | Matteson & Williamson | Stockton. |
| One roller seed sower and harrow combined | Matteson & Williamson | Stockton. |
| Two combined harvesters | S. C. H. and A. Works | Stockton. |
| Display of machinery from one shop | S. C. H. and A. Works | Stockton. |
| One improved Lincoln V belt combined header and thrasher | Holt Bros. | Stockton. |
| One combined seeder, harrow, roller, and leveler | Octave Granville | Stockton. |
| CLASS I—FARM PRODUCTS. | | |
| Six varieties wheat, one hundred pounds each | J. D. Huffman | Lodi. |
| Three varieties barley, one hundred pounds each, shown by one exhibitor | J. D. Huffman | Lodi. |
| Fifty pounds rye | J. D. Huffman | Lodi. |
| Five pounds English walnuts | Mrs. W. B. West | Stockton. |
| Five pounds soft-shelled almonds | Mrs. Jos. Hale | Stockton. |
| CLASS II—VEGETABLES. | | |
| Large variety vegetables raised on one ranch, and exhibited by the producer | L. U. Shippee | Stockton. |
| Large variety vegetables raised on one ranch, and exhibited by the producer | Mrs. C. C. Castle | Stockton. |
| Large exhibit of vegetables, fruit, etc. by one person | L. U. Shippee | Stockton. |
| Large variety vegetables raised on one ranch and exhibited by the producer | Allen Reid | Stockton. |
| Large variety vegetables | J. D. Huffman | Lodi. |
| CLASS III—GRAINS AND GRASSES. | | |
| Thirty bundles grain, not less than seven varieties | J. D. Huffman | Lodi. |
| Most artistically arranged display of grain | J. D. Huffman | Lodi. |
| Most artistically arranged display of California grasses | J. D. Huffman | Lodi. |
| CLASS V—HORTICULTURAL DEPARTMENT. | | |
| Collection of apples | J. Putnam | Clements. |
| Collection of apples | L. U. Shippee | Stockton. |
| Collection five varieties of apples | L. U. Shippee | Stockton. |
| Collection of pears | L. U. Shippee | Stockton. |
| Collection of pears | J. Putnam | Clements. |
| Collection five varieties of pears | L. U. Shippee | Stockton. |
| Collection three varieties pears, five each | L. U. Shippee | Stockton. |
| Collection of peaches | T. J. Stephens | Stockton. |
| Collection of peaches | J. Putnam | Clements. |
| Collection of peaches | L. U. Shippee | Stockton. |
| Collection twelve peaches, any variety | Mrs. Jos. Hale | Stockton. |
| Collection twelve peaches, any variety | L. U. Shippee | Stockton. |
| Collection of nectarines | L. U. Shippee | Stockton. |
| Collection twelve specimens of quinces | Ada Learned | Stockton. |
| Collection twelve specimens of quinces | Mrs. Jos. Hale | Stockton. |
| Collection twelve specimens of quinces | L. U. Shippee | Stockton. |
| Collection of pomegranates | Mrs. G. S. Allard | Stockton. |
| Collection of pomegranates | Ada Learned | Stockton. |
| Collection of pomegranates | L. U. Shippee | Stockton. |
| Collection of apricots | L. U. Shippee | Stockton. |
| Collection of plums, named varieties, six each | L. U. Shippee | Stockton. |
| Collection of twelve plums of one variety | L. U. Shippee | Stockton. |
| Collection of prunes | L. U. Shippee | Stockton. |
| Collection of oranges | L. U. Shippee | Stockton. |

SECOND DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| Miscellaneous display of fruit, nuts, etc. | Placer County | Placer County. |
| Miscellaneous display of fruit, nuts, etc. | Nevada County | Nevada County. |
| Miscellaneous display of peaches | —— Nickerson | Nevada County. |
| Miscellaneous display of vegetables, etc. | A. Chebt | Sunol. |
| Miscellaneous display of melons, squash, etc. | John Boggs | Colusa. |
| Miscellaneous display of nuts, apples, etc. | Amador County | Amador County. |
| Miscellaneous display of grapes, pecans, etc. | D. A. Learned | Stockton. |
| Miscellaneous display of pomegranates, etc. | T. E. Ketchum | Stockton. |
| Miscellaneous display of grapes | J. Putnam | Clements. |
| Collection of grapes | Ada Learned | Stockton. |
| Collection of grapes | Frank West | Stockton. |
| Collection of grapes | L. U. Shippee | Stockton. |
| Collection of five varieties grapes | T. J. Stephens | Stockton. |
| Collection of five varieties grapes | Ada Learned | Stockton. |
| Collection of five varieties grapes | L. U. Shippee | Stockton. |
| Single variety grapes | T. J. Stephens | Stockton. |
| Single variety grapes | Ada Learned | Stockton. |
| Single variety grapes | L. U. Shippee | Stockton. |
| Collection of eight bunches raisin grapes | Ada Learned | Stockton. |
| Collection of eight bunches raisin grapes | L. U. Shippee | Stockton. |
| Collection of figs | Mrs. Jos. Hale | Stockton. |
| Collection of figs | L. U. Shippee | Stockton. |
| Collection of figs | Allen Reid | Stockton. |
| Collection of six specimens figs | Allen Reid | Stockton. |
| Collection of six specimens figs | L. U. Shippee | Stockton. |
| Collection of olives | L. U. Shippee | Stockton. |
| Largest and best exhibit of fruit | J. Putnam | Clements. |
| Largest and best exhibit of fruit | J. D. Huffman | Lodi. |
| Largest and best exhibit of fruit | L. U. Shippee | Stockton. |
| Largest and best exhibit of fruit raised in the district by one person | L. U. Shippee | Stockton. |
| CLASS V—DRIED FRUITS. | | |
| Box of prunes | T. J. Stephens | Stockton. |
| Two boxes of prunes | Mrs. Jos. Hale | Stockton. |
| Two boxes of raisins | Mrs. Jos. Hale | Stockton. |
| Box of figs | T. J. Stephens | Stockton. |
| Ten boxes of figs | Mrs. Jos. Hale | Stockton. |
| Box of plums | T. J. Stephens | Stockton. |
| Box of peaches | T. J. Stephens | Stockton. |
| Box of pears | T. J. Stephens | Stockton. |
| Box of apricots | T. J. Stephens | Stockton. |
| Two boxes of apricots | Mrs. Jos. Hale | Stockton. |
| Box of nectarines | T. J. Stephens | Stockton. |
| FRUIT IN JARS. | | |
| Exhibit of fruits preserved in spirits | Mrs. J. C. Reid | Stockton. |
| Exhibit of fruits preserved in spirits | Mrs. Jos. Hale | Stockton. |
| Exhibit of fruits preserved in sugar | Mrs. J. C. Reid | Stockton. |
| Exhibit of fruits preserved in sugar | Mrs. Jos. Hale | Stockton. |
| Exhibit of jellies | Mrs. J. C. Reid | Stockton. |
| Exhibit of jellies | Mrs. Jos. Hale | Stockton. |
| Exhibit of canned goods (twelve dozen) | Mrs. Jos. Hale | Stockton. |
| Exhibit of assortment of pickles | Mrs. J. C. Reid | Stockton. |
| Exhibit of assortment of pickles | Mrs. Jos. Hale | Stockton. |
| Exhibit of cucumber pickles | Mrs. J. C. Reid | Stockton. |
| Assortment of crystallized fruit | Mrs. Jos. Hale | Stockton. |
| Assortment of tomato catsup | Mrs. Jos. Hale | Stockton. |
| CLASS VI—HOME WORK. | | |
| Best cheese (57½ pounds) | Stockton Cheese Factory | Stockton. |
| CLASS VII—FLORAL. | | |
| Collection of flowering plants in bloom | Mrs. R. S. Bates | Stockton. |
| Collection of ornamental foliage plants | Mrs. R. S. Bates | Stockton. |
| Collection of new and rare plants | Mrs. R. S. Bates | Stockton. |

SECOND DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Display of cut flowers to be kept fresh during the Fair by replacing | Mrs. R. S. Bates | Stockton. |
| Display of bouquets | Mrs. R. S. Bates | Stockton. |
| Collection of plants suitable for greenhouse, conservatory, and window culture | Mrs. R. S. Bates | Stockton. |
| Display of hanging baskets containing plants | Mrs. R. S. Bates | Stockton. |
| Display of ornamental grasses | Mrs. R. S. Bates | Stockton. |
| Display of single floral piece | Mrs. Bruce Harrison | Stockton. |
| CULINARY. | | |
| Brown bread | Mrs. Jos. Hale | Stockton. |
| White bread | Mrs. L. Goodfriend | Stockton. |
| White bread | Mrs. J. C. Reid | Stockton. |
| White bread | Mrs. Jos. Hale | Stockton. |
| White bread | Mrs. Ed. Byrnes | Stockton. |
| White bread | Maggie Grant | Stockton. |
| Graham bread | Mrs. Jos. Hale | Stockton. |
| Gingerbread | Mrs. Jos. Hale | Stockton. |
| Corn bread | Mrs. J. C. Reid | Stockton. |
| Corn bread | Mrs. H. E. Williamson | Stockton. |
| Corn bread | Mrs. Jos. Hale | Stockton. |
| Plate of biscuit | Miss K. T. Kelly | Stockton. |
| Plate of biscuit | Mrs. H. E. Williamson | Stockton. |
| Plate of biscuit | Mrs. Jos. Hale | Stockton. |
| Fruit cake | Mrs. J. C. Reid | Stockton. |
| Fruit cake | Mrs. H. E. Williamson | Stockton. |
| Fruit cake | Mrs. Jos. Hale | Stockton. |
| Pound cake | Mrs. H. E. Williamson | Stockton. |
| Sponge cake | Mrs. L. C. Thom | Stockton. |
| Jelly cake | Mrs. J. C. Reid | Stockton. |
| Jelly cake | Mrs. H. E. Williamson | Stockton. |
| Jelly cake | Mrs. Ed. Byrnes | Stockton. |
| Chocolate cake | Mrs. L. C. Thom | Stockton. |
| Chocolate cake | Mrs. H. E. Williamson | Stockton. |
| Chocolate cake | Mrs. J. C. Reid | Stockton. |
| Nut cake | Mrs. J. C. Reid | Stockton. |
| Nut cake | Mrs. Jos. Hale | Stockton. |
| Cocoanut cake | Mrs. L. C. Thom | Stockton. |
| Cocoanut cake | Mrs. H. E. Williamson | Stockton. |
| Angel cake | Mrs. L. C. Thom | Stockton. |
| Plate of doughnuts | Mrs. H. E. Williamson | Stockton. |
| Plate of doughnuts | Miss K. T. Kelly | Stockton. |

## THIRD DEPARTMENT.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| CLASS I—AGRICULTURAL IMPLEMENTS. | | |
| Wheat drill | Truman, Hooker & Co. | San Francisco. |
| Mowing machine | H. C. Shaw | Stockton. |
| Mowing machine, six feet | M. Murphy | Stockton. |
| Mowing machine, four and one half feet | M. Murphy | Stockton. |
| Mowing machine | John Caine | Stockton. |
| Mowing machine | M. P. Henderson & Son | Stockton. |
| Mowing machine | Grangers Union | Stockton. |
| Potato digger | Grangers Union | Stockton. |
| Combined clod crusher, harrow, pulverizer, and leveler | Grangers Union | Stockton. |
| Plow for all purposes | H. C. Shaw | Stockton. |
| Plow for all purposes | Truman, Hooker & Co. | San Francisco. |
| Plow for all purposes | M. P. Henderson & Son | Stockton. |
| Plow for all purposes | Grangers Union | Stockton. |
| Gang plow | H. C. Shaw | Stockton. |

THIRD DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| Gang plow | Truman, Hooker & Co. | San Francisco. |
| Gang plow | John Caine | Stockton. |
| Gang plow | Matteson & Williamson | Stockton. |
| Gang plow | M. P. Henderson & Son | Stockton. |
| Gang plow | Grangers Union | Stockton. |
| Sulky plow | H. C. Shaw | Stockton. |
| Sulky plow, "four" | S. C. H. and A. Works | Stockton. |
| Sulky plow | Truman, Hooker & Co. | Stockton. |
| Sulky plow | Matteson & Williamson | Stockton. |
| Sulky plow | M. P. Henderson & Son | Stockton. |
| Fanning mill | S. C. H. and A. Works | Stockton. |
| Farm gate | Drum & Cameron | Sacramento. |
| Grain cleaning attachment for thrasher | S. C. H. and A. Works | Stockton. |
| Grain cleaner, independent | S. C. H. and A. Works | Stockton. |
| Harrow | Truman, Hooker & Co. | San Francisco. |
| Three-section wood harrow | Matteson & Williamson | Stockton. |
| Harrow | M. P. Henderson & Son | Stockton. |
| Harrow | H. C. Shaw | Stockton. |
| Horse rake | M. P. Henderson & Son | Stockton. |
| Hay and straw cutter | Grangers Union | Stockton. |
| Derrick fork | Grangers Union | Stockton. |
| Display of haying and harvesting tools | M. P. Henderson & Son | Stockton. |
| Farm wagon for all purposes | M. P. Henderson & Son | Stockton. |
| Four-furrow gang plow | Truman, Hooker & Co. | San Francisco. |
| Farm wagon | John Caine | Stockton. |
| Farm wagon | H. C. Shaw | Stockton. |
| Bradley Garden City two-furrow gang plow | Truman, Hooker & Co. | San Francisco. |
| Grain sower | Truman, Hookee & Co. | San Francisco. |
| Grain sower | Grangers Union | Stockton. |
| CLASS II—MACHINERY, BLACKSMITH WORK, ETC. | | |
| Display of agricultural implements, California manufacture | S. C. H. and A. Works | Stockton. |
| Display of steam engines, California manufacture | Strait & Cadle | Stockton. |
| Windmill (Davis Mill) | R. F. Wilson | Stockton. |
| Windmill (Tempest Mill) | A. L. Davis | Stockton. |
| CLASS III—TOOLS AND HOUSEHOLD IMPLEMENTS. | | |
| Churn | Grangers Union | Stockton. |
| Churn | Smith & Martin | Stockton. |
| Washing machine | H. C. Shaw | Stockton. |
| Washing machine | Grangers Union | Stockton. |
| Wine press | H. C. Shaw | Stockton. |
| Wine press | Grangers Union | Stockton. |
| Display of horseshoes, hand-made | Boyd & Morgan | Stockton. |
| CLASS IV—VEHICLES. | | |
| Best and largest display | M. P. Henderson & Son | Stockton. |
| Best and largest display | H. C. Shaw | Stockton. |
| Family carriage | H. C. Shaw | Stockton. |
| Family carriage | M. Murphy | Stockton. |
| Family carriage | John Caine | Stockton. |
| Family carriage | M. P. Henderson & Son | Stockton. |
| Top buggy | H. C. Shaw | Stockton. |
| Top buggy, end springs | M. Murphy | Stockton. |
| Top buggy, side bar | M. Murphy | Stockton. |
| Top buggy | M. P. Henderson & Son | Stockton. |
| Open buggy | H. C. Shaw | Stockton. |
| Open buggy | M. P. Henderson & Son | Stockton. |
| Two-seated open wagon | H. C. Shaw | Stockton. |
| Two-seated open wagon | M. P. Henderson & Son | Stockton. |
| Trotting wagon | H. C. Shaw | Stockton. |
| Trotting wagon | John Caine | Stockton. |
| Trotting wagon | M. P. Henderson & Son | Stockton. |
| Spring market wagon | H. S. Shaw | Stockton. |

THIRD DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Spring market wagon | M. Murphy | Stockton. |
| Spring market wagon | M. P. Henderson & Son | Stockton. |
| Ladies' phaeton | H. C. Shaw | Stockton. |
| Ladies' phaeton, leather top | M. Murphy | Stockton. |
| Ladies' phaeton | M. Murphy | Stockton. |
| Ladies' phaeton | M. P. Henderson & Son | Stockton. |
| Wagon and carriage brake | M. P. Henderson & Son | Stockton. |
| Carriage springs | M. P. Henderson & Son | Stockton. |
| Buckboard | H. C. Shaw | Stockton. |
| Buckboard | M. P. Henderson & Son | Stockton. |
| Track sulky | H. C. Shaw | Stockton. |
| Track sulky | M. P. Henderson & Son | Stockton. |
| Buggy tops | M. Murphy | Stockton. |
| Family surrey | M. Murphy | Stockton. |
| Display of carriage materials, wheels, and trimmings | M. P. Henderson & Son | Stockton. |
| Display of vehicles manufactured in Cal. | M. P. Henderson & Son | Stockton. |

## FOURTH DEPARTMENT.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| CLASS I—PAINTING AND DRAWING. | | |
| Specimen of marine painting | Walter E. Steves | Stockton. |
| Specimen of marine painting | Mrs. G. A. Atherton | Stockton. |
| Specimen of portait painting | J. P. Spooner | Stockton. |
| Four oil portraits copied from other painters | J. P. Spooner | Stockton. |
| One oil portrait by Gardelle in 1734 | J. P. Spooner | Stockton. |
| Specimen of portrait painting | Joseph Gayette | Stockton. |
| Specimen of portrait painting | Mrs. G. S. Allard | Stockton. |
| Specimen of portrait painting | Walter E. Steves | Stockton. |
| Specimen of figure painting | Mrs. M. H. Ober | San Francisco. |
| Specimen of figure painting | Walter E. Steves | Stockton. |
| Specimen of figure painting | J. P. Spooner | Stockton. |
| Specimen of figure painting | Mrs. G. S. Allard | Stockton. |
| Specimen of landscape painting | Mrs. J. L. Beecher | Stockton. |
| Specimen of landscape painting | Mrs. G. A. Atherton | Stockton. |
| Specimen of landscape painting | Miss Alma Clapp | Stockton. |
| Specimen of animal painting | Walter E. Steves | Stockton. |
| Specimen of animal painting | Miss Alma Clapp | Stockton. |
| Specimen of flower painting | Mrs. J. L. Beecher | Stockton. |
| Specimen California wild flowers | Mrs. G. S. Allard | Stockton. |
| Specimen flower painting | Walter E. Steves | Stockton. |
| Specimen fruit painting | Walter E. Steves | Stockton. |
| General exhibition of paintings in oil | Walter E. Steves | Stockton. |
| Specimen of plaque painting | Mrs. G. A. Atherton | Stockton. |
| Specimen flower painting | Mrs. G. A. Atherton | Stockton. |
| Specimen fruit painting | Mrs. G. A. Atherton | Stockton. |
| General exhibition of paintings in oil | Mrs. G. A. Atherton | Stockton. |
| Specimen flower painting | Miss Alma Clapp | Stockton. |
| Specimen wild flowers painting | Miss Alma Clapp | Stockton. |
| Specimen fruit painting | Miss Alma Clapp | Stockton. |
| Specimen plaque painting | Mrs. J. C. McCall | Stockton. |
| Special exhibition of twenty-four oil paintings | Norton Bush | Sacramento. |
| Specimen of pencil drawing | St. Mary's College | Stockton. |
| Specimen of California flowers | Mrs. G. S. Allard | Stockton. |
| Specimen of landscape painting | Miss N. Littlehale | Stockton. |
| Specimen of flower painting | Miss N. Littlehale | Stockton. |
| Basket of wild flowers | Mrs. G. S. Allard | Stockton. |
| Crayon drawings | W. J. Young | Stockton. |
| Four colored crayon drawings, portraits | J. P. Spooner | Stockton. |
| Eleven black crayon portraits | J. P. Spooner | Stockton. |
| Four large plain photographs | J. P. Spooner | Stockton. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| Photographs of exhibits in pavilion, 1887 | J. P. Spooner | Stockton. |
| Photographs of Sixth Infantry Band | J. P. Spooner | Stockton. |
| Six plain photographs, all styles | J. P. Spooner | Stockton. |
| Crayon drawing | Mrs. W. O. Robinson | Stockton. |
| Crayon drawing | Walter E. Steves | Stockton. |
| Pen drawings | Miss N. Littlehale | Stockton. |
| Penmanship | F. E. Cook | Stockton. |
| Two portraits, crayon | Miss Alma Clapp | Stockton. |
| Lineal system of teaching geography | W. M. Bours | Stockton. |
| CLASS II—ORNAMENTAL PAINTING. | | |
| Painting on bolting cloth | Mrs. G. S. Allard | Stockton. |
| Painting on mirror | Mrs. G. S. Allard | Stockton. |
| Painting on mirror | Walter E. Steves | Stockton. |
| Crayon sketch, "Near Stockton" | Walter E. Steves | Stockton. |
| Collection of paintings, all by one person | Walter E. Steves | Stockton. |
| Collection of paintings, all by one person | J. P. Spooner | Stockton. |
| Panel paintings | Mrs. G. A. Atherton | Stockton. |
| Painted tile | Mrs. G. A. Atherton | Stockton. |
| Black and white paintings | Mrs. G. A. Atherton | Stockton. |
| Painting on silk | Mrs. G. A. Atherton | Stockton. |
| Collection of paintings by one person | Miss N. Littlehale | Stockton. |
| Painting on china | Mrs. S. E. Dorr | Stockton. |
| Painting on china | Mrs. J. C. McCall | Stockton. |
| Luster painting | Miss A. C. Clapp | Stockton. |
| Kensington painting | Miss A. C. Clapp | Stockton. |
| CLASS III—SILK CULTURE. | | |
| Display of silk cocoons | Mrs. J. D. Utt | Stockton. |
| Display of silk cocoons | Mrs. J. C. Reid | Stockton. |
| Display of silk cocoons, wild and tame | Joseph Neumann | San Francisco. |
| Display of reeled silk | Mrs. J. D. Utt | Stockton. |
| Display of reeled silk | Joseph Neumann | San Francisco. |
| Display of reeled silk | Mrs. J. C. Reid | Stockton. |
| Display of domestic silk, raised and manufactured in California | Joseph Neumann | San Francisco. |
| CLASS IV—NEEDLEWORK, ETC. | | |
| Cross-stitch, sofa pillow | Mrs. R. W. Miller | Stockton. |
| Kensington tidy in silk | Mrs. R. W. Miller | Stockton. |
| Cotton crochet, tidy | Mrs. R. W. Miller | Stockton. |
| Etching-stitch, apron | Mrs. R. W. Miller | Stockton. |
| Embroidery, arrasene | Mrs. Charles Wagner | Stockton. |
| Embroidery, chenille | Mrs. Charles Wagner | Stockton. |
| Carriage afghan | Miss M. P. Marshall | Stockton. |
| Silk embroidery on flannel | Miss W. Fullerton | Stockton. |
| Embroidery etching | Miss W. Fullerton | Stockton. |
| Specimen in etching | Miss W. Fullerton | Stockton. |
| Crochet shawl | Mrs. W. B. West | Stockton. |
| Carriage afghan | Mrs. W. B. West | Stockton. |
| Embroidery, arrasene | Mrs. W. B. West | Stockton. |
| Embroidery, tinsel | Mrs. Joseph Hale | Stockton. |
| Specimen in etching | Mrs. Joseph Hale | Stockton. |
| Embroidery, kensington in silk | Mrs. J. C. McCall | Stockton. |
| Embroidery, arrasene | Mrs. J. C. McCall | Stockton. |
| Embroidery, kensington in wool | Mrs. J. C. McCall | Stockton. |
| Embroidery, raised | Mrs. J. C. McCall | Stockton. |
| Embroidery, tinsel | Mrs. J. C. McCall | Stockton. |
| Embroidery, arrasene, table scarf | Mrs. J. L. Beecher | Stockton. |
| Hand-made lace | Mrs. J. G. Giovanessi | Stockton. |
| Cotton-knitted tidy | Mrs. J. G. Giovanessi | Stockton. |
| Worsted-knitted tidy | Mrs. J. G. Giovanessi | Stockton. |
| Cotton-knitted sofa cushion | Mrs. J. G. Giovanessi | Stockton. |
| Silk-knitted purse | Mrs. J. G. Giovanessi | Stockton. |
| Spanish drawn work | Mrs. Madeline Cabezet | Sonora. |
| Display of drawn thread work | Mrs. Madeline Cabezet | Sonora. |
| Hand-made lace | Mrs. J. D. Utt | Stockton. |
| Spanish drawn work | Mrs. J. D. Utt | Stockton. |
| Lace handkerchief | Mrs. J. D. Utt | Stockton. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Hand-made lace | Miss Fannie Thompson | Stockton. |
| Cotton knitting | Miss Fannie Thompson | Stockton. |
| Toilet set in scram | Mrs. R. W. Miller | Stockton. |
| Hemstitched handkerchief | Mrs. R. W. Miller | Stockton. |
| Spanish drawn work | Mrs. S. E. Dorr | Stockton. |
| Drawn thread work | Mrs. S. E. Dorr | Stockton. |
| Hand-made lace | Mrs. S. E. Dorr | Stockton. |
| Hemstitching | Mrs. S. E. Dorr | Stockton. |
| Fancy apron for ladies | Miss L. F. Booker | Stockton. |
| Darned net | Miss W. Fullerton | Stockton. |
| Hand-made lace | Miss W. Fullerton | Stockton. |
| Lace handkerchief | Miss W. Fullerton | Stockton. |
| Display of fancy work | Mrs. W. O. Robinson | Stockton. |
| Fancy aprons for ladies | Mrs. Jos. Hale | Stockton. |
| Worsted knitting | Mrs. J. C. Reid | Stockton. |
| Ornamental perfume satchet | Mrs. J. C. McCall | Stockton. |
| Display of hand-knit underwear | Mrs. Pennell | Stockton. |
| Worsted skirt | Mrs. J. D. Utt | Stockton. |
| Crazy quilt | Miss Fannie Thompson | Stockton. |
| Patchwork quilt | Miss Fannie Thompson | Stockton. |
| Crazy quilt | Mrs. M. P. Marshall | Stockton. |
| Shell work | Mrs. J. W. Hart | Stockton. |
| Calico dress, by miss under fourteen years old | Miss Dorr | Stockton. |
| Calico dress, by miss over fourteen years old | Miss Castle | Stockton. |
| Hair flowers | Mrs. M. Netz | Stockton. |
| Crazy quilt | Miss W. Fullerton | Stockton. |
| Drawn rug | Mrs. Joseph Hale | Stockton. |
| Braided rug | Mrs. Joseph Hale | Stockton. |
| Two worsted skirts | Mrs. Joseph Hale | Stockton. |
| Knitted slumber robe | Mrs. Joseph Hale | Stockton. |
| Pair silk stockings | Mrs. Joseph Hale | Stockton. |
| Table scarf | Mrs. Joseph Hale | Stockton. |
| Table cover | Mrs. Joseph Hale | Stockton. |
| Drawn rug | Mrs. M. Netz | Stockton. |
| Table scarf | Mrs. J. C. McCall | Stockton. |
| Table cover | Mrs. J. C. McCall | Stockton. |
| Patchwork quilt | Mrs. Harvey Belden | Stockton. |
| Embroidered lambrequin | Mrs. J. L. Beecher | Stockton. |
| Silk knitted purse | Miss F. Leon | Stockton. |
| Paper flowers | Miss Bessie Austin | Stockton. |
| Case of fancy work | Mrs. Mitchell | Stockton. |
| **CLASS VI—DISPLAYS.** | | |
| Cigars and tobaccos, raised in county | Alonzo Rhodes | Stockton. |
| Tobaccos, raised in county | John O'Malley | Atlanta. |
| Groceries | Liebenbaum Bros. | San Francisco. |
| Druggist sundries | I. D. Holden | Stockton. |
| Druggist sundries | R. C. Leffler | Stockton. |
| Druggist sundries | H. H. Moore & Sons | Stockton. |
| Hats and caps | Lathrop & Noble | Stockton. |
| Dry goods | Alex. Chalmers | Stockton. |
| Cloaks and wraps | Alex. Chalmers | Stockton. |
| Ribbons | Alex. Chalmers | Stockton. |
| Millinery | Misses A. and H. Fyfe | Stockton. |
| Ladies and children's underwear | Mrs. M. H. Ober | Stockton. |
| Ornamental drawings | J. Barricklo, St. Mary's Col'ge | Stockton. |
| Mechanical drawing | J. Larkin, St. Mary's Col'ge | Stockton. |
| Map drawing | J. Garrow, St. Mary's Col'ge | Stockton. |
| Millinery | Mrs. M. Netz | Stockton. |
| Hats and bonnets | Mrs. M. Netz | Stockton. |
| Feathers | Mrs. M. Netz | Stockton. |
| Flowers | Mrs. M. Netz | Stockton. |
| Ribbons | Mrs. M. Netz | Stockton. |
| Children's millinery | Mrs. M. Netz | Stockton. |
| Stoves | Jackson & Earle | Stockton. |
| Hardware and electrical goods | Austin Bros. | Stockton. |
| Musical instruments | A. L. Bancroft & Co. | San Francisco. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| Musical instruments | Benjamin Curtaz & Son | San Francisco. |
| Saratoga chips | Liebenbaum Bros. | San Francisco. |
| Hawley's bar sugar | Liebenbaum Bros. | San Francisco. |
| California plum pudding | Liebenbaum Bros. | San Francisco. |
| Jellies and jams by factory | Liebenbaum Bros. | San Francisco. |
| California sweet oil | Liebenbaum Bros. | San Francisco. |
| Imported sweet oil | Liebenbaum Bros. | San Francisco. |
| COUNTY EXHIBITS. | | |
| San Joaquin County | Pomona Grange | Stockton. |
| Nevada County | | |
| Placer County | | |
| Alameda County | | |
| Colusa County | | |
| MISCELLANEOUS. | | |
| Love button-hole and family sewing machine | H. A. Hebard | San Francisco. |
| Love tinsel embroidery machine | H. A. Hebard | San Francisco. |
| Love dresswork, button-hole, and over-seaming machine | H. A. Hebard | San Francisco. |
| Walker's Australian wire-stretcher | California Wire Works | San Francisco. |
| Miniature ship | Frank Loerovich | Stockton. |
| Apple-paring machine | Truman, Hooker & Co. | San Francisco. |
| Damascus creme and poudre Cashinarian dew | Stoddard Bros. | San Francisco. |
| Dr. Liebig's German invigorator | Stoddard Bros. | San Francisco. |
| Grain trucks | Matteson & Williamson | Stockton. |
| Three single plows | Matteson & Williamson | Stockton. |
| Wheelbarrow | Matteson & Williamson | Stockton. |
| Four pair stretchers | Matteson & Williamson | Stockton. |
| Automatic horse-feeder | S. B. Stretton | San Francisco. |
| Stereotyper | Chronicle | San Francisco. |
| Capillaris | Mrs. H. Works | Oakland. |
| Display of soaps | Capital Soap Works | Sacramento. |
| Mill work | P. A. Buell & Co. | Stockton. |
| Wine tank | P. A. Buell & Co. | Stockton. |
| Hawkeye fence machine | L. H. Evans | Stockton. |
| Guinea pigs and chipmunks | Willie Hickox | Stockton. |
| Gale seeder and harrow | Truman, Hooker & Co. | San Francisco. |
| Silver model of gang plow | Truman, Hooker & Co. | San Francisco. |
| Domestic sewing machines | J. E. Wood | Stockton. |
| Estey organ | J. E. Wood | Stockton. |
| Vigor of Life | P. Clark | Sacramento. |
| Shaw's slip share gang plow | H. C. Shaw Plow Company | Stockton. |
| Wooden mantel | P. A. Buell & Co. | Stockton. |
| Furniture and wood carvings, Stockton manufacture | M. Schneider | Stockton. |
| Bradley tule plow | T. Hooker & Co. | San Francisco. |
| Hickory nuts, hazel nuts, pecans, black walnuts, papaws, Japanese persimmons, peaches, etc. | R. Lucas | Camanche. |
| Display of wheat, flour, germea, etc. | Sperry & Co. | Stockton. |
| Pastele portraits | J. P. Spooner | Stockton. |
| Crayon portrait | Joseph Goyette | Stockton. |
| Bird painting in oil | Mrs. G. A. Atherton | Stockton. |
| Portrait in water colors | Joseph Goyette | Stockton. |
| Silk flowers | Mrs. J. D. Utt | Stockton. |
| Native silkworms, and its products | Joseph Neumann | San Francisco. |
| Embroidered lace, imitation of old English lace | Miss L. F. Booker | Stockton. |
| Corsets and shoulder braces | Mrs. M. H. Ober | San Francisco. |
| Manicure goods and cosmetics | Mrs. M. H. Ober | San Francisco. |
| General display of school work | St. Mary's College | Stockton. |
| General display of school work | Public schools | San Joaquin Co. |
| Exhibit of Froebel kindergarten work | Mrs. C. W. Dohrman's kindergarten | |
| Exhibit of Froebel kindergarten work | Mrs. E. M. Tureman's kindergarten | |

## SPECIAL—BABY SHOW.

| Children. | Parents. | Address. |
|---|---|---|
| CLASS I—TWINS. | | |
| May and Creelia | M. and B. Clougherty | Stockton. |
| John and Eva | J. and Mrs. Hart | Stockton. |
| Hazel and Cecel | S. H. and T. Williams | Stockton. |
| Ada and Mary | W. and J. O'Connell | Stockton. |
| Lottie and John | Mr. and Mrs. J. McLean | Stockton. |
| CLASS II—UNDER SIX MONTHS OLD. | | |
| Chester | J. N. and Mrs. Jones | Stockton. |
| Eva | C. Howell | Stockton. |
| James | Mr. and Mrs. Brown | Stockton. |
| Daniel | H. Petzinger | Stockton. |
| Carrie | Geo. J. Payne | Stockton. |
| Irene | H. C. Dortmund | Stockton. |
| | H. B. Knight | Lathrop. |
| Gertrude | P. N. Faber | Stockton. |
| Emma Alger | W. R. Clark | Stockton. |
| Dan | D. C. Rhodes | Stockton. |
| Wilbur | R. F. Rush | Stockton. |
| Nettie | G. Cowie | Stockton. |
| Reed | F. R. Clark | Stockton. |
| Flora | G. Easton | Stockton. |
| Julia | John Madden | Stockton. |
| Della | J. G. Sawyer | Stockton. |
| Jessie | J. B. Duffy | Stockton. |
| Leta | H. C. Voss | Stockton. |
| Everett | J. H Farwell | Stockton. |
| Edward | C. Molen | Stockton. |
| Charlie | C. C. Blair | Stockton. |
| Hilda | Martin Snyder | Stockton. |
| Henry | C. E. Owen | Stockton. |
| CLASS III—BETWEEN SIX AND TWELVE MONTHS. | | |
| Gladys | J. H. Swain | Stockton. |
| Francis | — — Gillis | Stockton. |
| Olga | W. Bingham | Stockton. |
| Ricella | J. Gianelli | Stockton. |
| Alma | T. G. Pool | Stockton. |
| Gertrude | J. W. Simpson | Stockton. |
| Chesley | F. A. Severy | Stockton. |
| Alma May | J. H. Hyers | Stockton. |
| Truman | Alvin Swaine | Stockton. |
| Geneva | G. Blake | Stockton. |
| Frankie | W. H. Knowles | Stockton. |
| Owen | Louis C. Thom | Stockton. |
| Geo. Chester | G. C. Turner | Stockton. |
| Mamie | E. Byrnes | Stockton. |
| Mary L. | J. Morris | Stockton. |
| Hattie F. | G. and A. F. Ray | Stockton. |
| Louis H. | Joseph and A. Condy | Stockton. |
| CLASS IV—BETWEEN TWELVE AND EIGHTEEN MONTHS. | | |
| Gustave | S. and G. H. Hess | Stockton. |
| Elva | Mr. and Mrs. S. Y. Strait | Stockton. |
| Belle G. | Mr. and Mrs. Arnest | Stockton. |
| Truth Eleanor | C. H. Moore | Stockton. |
| Clevy | J. W. Bell | Stockton. |
| Guy | Frank Ellis | Stockton. |
| Elnor | I. Chidester | Stockton. |
| Christine | Gus. Gerlach | Stockton. |
| Willie | Andrew Bristol | Stockton. |
| Howard | D. J. Fitzgerald | Stockton. |
| Rose | J. H. Gennit | Stockton. |
| Ivy | Mrs. M. B. Tamm | Stockton. |
| Owen L. | J. G. Maisel | Stockton. |
| Walter | W. B. Snow | Stockton. |

SPECIAL—BABY SHOW—Continued.

| Children. | Parent. | Address. |
|---|---|---|
| Frances | C. Sullivan | Stockton. |
| Eda | H. Mitchell | Stockton. |
| Frankie | F. D. Gianelli | Stockton. |
| Nellie | L. H. Evans | Stockton. |
| Beatrice | P. Tobin | Stockton. |
| Mabel A. | H. F. Pusey | Stockton. |
| Florence I. | Mr. and Mrs. Davis | Stockton. |

SECOND SPECIAL BABY SHOW.

| Children. | Parent. | Address. |
|---|---|---|
| CLASS I—UNDER SIX MONTHS OLD. | | |
| Chester C. Nelson | | Stockton. |
| Fannie R. Sturcke | | Stockton. |
| James Brown | | Stockton. |
| Charlie Blair | | Stockton. |
| Daniel Rhoads | | Stockton. |
| Jessie Duffy | | Stockton. |
| CLASS II—BETWEEN SIX AND TWELVE MONTHS. | | |
| Hattie F. Ray | | Stockton. |
| Nelson Cowden | | Stockton. |
| Rosa Day | | Stockton. |
| Rochele Gianelli | | Stockton. |
| Ida Frances Driselom | | Stockton. |
| Alma Hyers | | Stockton. |
| Royal Howe Morly | | Stockton. |
| Freda Tschereschky | | Stockton. |
| Edna Young | | Stockton. |
| CLASS III—BETWEEN TWELVE AND EIGHTEEN MONTHS. | | |
| Maude Douglass | | Stockton. |
| Christiana Gerlach | | Stockton. |
| Eleanor Chidister | | Stockton. |
| Franz Ludwig | | Stockton. |
| Ida May Abbott | | Stockton. |
| Raymond Morey | | Stockton. |
| Mabel A. Pusey | | Stockton. |
| Homer Leroy Wiseman | | Stockton. |
| George C. Turner | | Stockton. |
| Frances Mabel Wells | | Stockton. |

## CURIOSITY SHOP.

1. Doll, by Nellie Debnam.
2. Spinning wheel, by Mrs. Jessie Lewis. Brought across the plains in 1852.
3. Andiron, by Mrs. John Reid.
4. Old fashion bedstead, by Mrs. Dudley.
5. Old fashion cradle, by Mrs. Aimes.
6. Family tree, by Mrs. Wilkes.
7. Spinning wheel, by Mrs. L. B. Holt.
8. Old fashion cap, by Miss Nellie Heck.
9. Old silk dress, by Mrs. C. A. Ruggles.
10. Block of wood from Sutter's Mill, by Mrs. J. W. Hart.
11. Candlestick, 100 years old, brought from London, by Mrs. J. W. Hart.
12. Book, 178 years old, published in London, by Mrs. J. W. Hart.
13. Hymn book, 84 years old, by Mrs. J. W. Hart.
14. Tarantula's nest, by Mrs. Hart.
15. Bottle of agates, from Emerald Bay, Lake Tahoe, by Mrs. J. W. Hart.
16. Relics of the Lodi fire, by Mrs. J. W. Hart.
17. Work box, 75 years old, by Mrs. J. W. Hart.
18. Prayer and psalm book, 65 years old, by Mrs. J. W. Hart.
19. Apron embroidered by hand by Mrs. Hart 35 years ago.
20. Pitcher, 103 years old, brought from London, by Mrs. J. W. Hart.
21. Old fashion clock, sent from Michigan.

It is about 118 years old; has buckets of sand for weights, by Mrs. J. W. Hart.

22. Silk wedding stockings and gloves, 51 years old, knitted by Mrs. Lucy Valentine Hathaway, in Massachusetts, by Mrs. L. V. Pierce.

23. Long black lace veil, 60 years old, all hand made, by L. V. Pierce.

24. White lace neckkerchief, 50 years old, hand made, by Lucy V. Pierce.

25. Beaded reticule, 71 years old, made by Mrs. Lucy Valentine Hathaway, Frectown, Mass.; made in 1817; displayed by Mrs. L. V. Pierce.

26. Old church anthem book, 99 years old; property of Mrs. James M. Pierce, of San Francisco.

27. Linen shirt worn by Arthur Knight at three months of age.

28. Shoes worn by the same boy at 9 months of age.

29. Bottle containing a miniature ship, made by a disabled soldier, and presented to H. B. Gilbert by H. P. Hayes, of the Soldiers' Home, Ohio.

30. Doll's knitted dress over 100 years old, by Captain Geo. Fake, Banta.

31. Japanese teapot, by Captain Geo. Fake.

32. Chinese slippers, by Captain Geo. Fake.

33. Chinese gentleman's slippers, by Captain Geo. Fake.

34. Emu egg, by Captain Geo. Fake.

35. Chinese compass, by Captain Geo. Fake.

36. Petrified wood, by Captain Geo. Fake.

37. Specimens of copper, by Captain Geo. Fake.

38. Japanese toothbrush, by Captain Geo. Fake.

39. Japanese dress goods, by Captain Geo. Fake.

40. Agate rock, by Captain Geo. Fake.

41. Agate egg, by Captain Geo. Fake.

42. Chinese images, by Captain Geo. Fake.

43. Salt rock, by Captain Geo. Fake.

44. Piece of rock from a desert, by Captain Geo. Fake.

45. Specimens of silver ore, by Captain Geo. Fake.

46. Specimens of copper ore, by Captain Geo. Fake.

47. Royal family in China, by Captain Geo. Fake.

48. Chinese priests, by Captain Geo. Fake.

49. Chinese lady, by Captain Geo. Fake.

50. Chinese lady's bedroom, by Captain Geo. Fake.

51. Chinese lady's carriage, by Captain Geo. Fake.

52. Street costumes in China, by Captain Geo. Fake.

53. Chinese carrying their babies, by Captain Geo. Fake.

54. Chinese game, by Captain Geo. Fake.

55. Chinese actresses, by Captain Geo. Fake.

56. Chinese image, by Captain Geo. Fake.

57. Chinese washing, by Captain Geo. Fake.

58 to 66. Scenes from Peru, by Captain Geo. Fake.

67. Specimens of silver ore, by Captain Geo. Fake.

68. Pewter platter, 100 years old, by Mrs. Jos. Adams.

69. Sugar bowl, brought over in the Mayflower, by Mrs. Jos. Adams.

70. "Maryland Journal," published in 1773, by Mrs. Jos. Adams.

71. Quilt from Sandwich Islands, by Captain Geo. Fake.

72. Bow and arrow, by Captain Geo. Fake.

73. German cap, 80 years old, by Mrs. Kettleman, of Lodi.

74. Towel woven by hand, by Mrs. Jos. Adams.

75. Turning wreath, made by a sailor with a penknife, by Mrs. Kettleman.

76. Wooden candlestick, made by a sailor with a penknife, by Mrs. Kettleman.

77. Windlass, made by the same person, by Mrs. Kettleman.

78. China tea cup and saucer, 100 years old, by Mrs. Kettleman.

79. China cup and saucer, 100 years old, by Mrs. Kettleman.

80. German wedding shawls, 66 years old, by Mrs. Kettleman.

81. Sewing machine, by Mrs. Kettleman.

82. Watch, by Mrs. C. O. Ivory, Lodi.

83. Shark's teeth, by Mrs. C. O. Ivory.

84. Walrus tooth, by Mrs. C. O. Ivory.

85. Fungus from W. T., by Mrs. C. O. Ivory.

86. Sealskin boot, made by natives of Arctic, by Mrs. C. O. Ivory.

87. Drinking cup used by natives of Central America, by Mrs. C. O. Ivory.

89. Whale tooth, by Mrs. C. O. Ivory.

90. Vegetable ivory, by Mrs. C. O. Ivory.

91. Sperm whale tooth, by Mrs. C. O. Ivory.

92. Bellows, 100 years old, by Mrs. C. O. Ivory.

93. Long coral, by Mrs. C. O. Ivory.

94. Bomb lance used by whalers, by Mrs. C. O. Ivory.

95. Bale of cotton, by Mrs. C. O. Ivory.

96. Flax brought from Ireland in 1760, by Mrs. C. O. Ivory.

97. Vase cut from the tooth of the sperm whale with a pocket knife, by Mrs. C. O. Ivory.

98. Indian money, by Mrs. C. O. Ivory.

99. Ivory napkin ring, 120 years old, by Mrs. C. O. Ivory.

100. Indian arrow head from Mendocino County, by Mrs. C. O. Ivory.

101. Handkerchief worn by Alex. Harper, Pennsylvania, 1770, by Mrs. H. O. Ivory.

102. Silk handkerchief, 1815, by Mrs. C. O. Ivory.

103. Baby dress, by Mrs. C. O. Ivory.

104. Two caps, by Mrs. C. O. Ivory.

105. Shell, by Mrs. C. O. Ivory.

106. Oyster shells, ten pounds in weight, by H. G. Learned.

107. Rattlesnake preserved in alcohol, by H. G. Learned.

108. Two specimens of quartz, by H. G. Learned.

109. Two clam shells from near Fresno, by H. G. Learned.

110. Various specimens, by H. G. Learned.

111. Display of birds' eggs, insects, butterflies, shells, flower garden seeds, etc., by H. G. Learned.

112. Portraits, over 100 years old, by Mrs. L. B. Holt.

CURIOSITY SHOP—Continued.

113. Cow's horn, by Mrs. L. B. Holt.
114. Star fish, by Mrs. L. B. Holt.
115. Petrified shell, by Mrs. L. B. Holt.
116. Petrified egg found near Santa Cruz, by Mrs. L. B. Holt.
117. Bark from Calaveras big tree, by Mrs. L. B. Holt.
118. Churchill, by Mrs. L. B. Holt.
119. Gladstone, by Mrs. L. B. Holt.
120. Petrified seaweed, by Mrs. L. B. Holt.
121. Silver soup ladle, by Mrs. L. B. Holt.
122. Silver gravy spoon, by Mrs. L. B. Holt.
123. Four teaspoons, 72 years old, by Mrs. L. B. Holt.
124. Three tablespoons, 50 years old, by Mrs. L. B. Holt.
125. Hymn book, 86 years old, by Mrs. L. B. Holt.
126. Irish priest, Captain Fake.
127. Petrified human eye, Captain Fake.
128. Chinese boat, Captain Fake.
129. Coins, Captain Fake.
130. Seal skin boots, Captain Wing.
131. Carved seal, Captain Wing.
132. Glass cane, 100 years old, J. Q. Nutter.
133. Old German pipe, 50 years old, H. Walters.
134. Hunting pipe, John Dreyer.
135. Indian doll, Miss Nellie Littlehale.
136. Indian necklaces, Miss Nellie Littlehale.
137. Steer's horns, L. Gerlach.
138. Reticule, 50 years old, Mrs. E. M. Stowe.
139. Wedding collar worn 70 years ago, Mrs. E. M. Stowe.
140. Saucer and spoons, 75 years old, Mrs. E. M. Stowe.
141. Chenille work done in 1800, Mrs. E. M. Stowe.
143. Home-made linen pillow cases, 1818, Mrs. E. M. Stowe.
144. Moss rock, from the Natural Bridge, Calaveras County, Mrs. J. W. Hart.
145. Specimens of slag from Oregon Iron Works, color depending on degree of temperature, Mrs. J. W. Hart.
146. Petrified wood, Mrs. J. W. Hart.
147. Specimen of silver ore from Cordaline Mine, Mrs. J. W. Hart.
148. Linen sheet, woven about 1800, Mrs. J. L. Beecher.
149. Valence, Mrs. J. L. Beecher.
150. Sweet potato, Mrs. J. L. Beecher.
151. Bedquilt containing twenty thousand pieces, made by Mrs. L. M. Earle, Amador County, Mrs. J. L. Beecher.
152. Saucer 75 years old, Mrs. J. L. Beecher.
153. Gun 150 years old, W. H. Van Vlear.
154. Two guns 50 years old, W. H. Van Vlear.
155. Silver pitcher, over 100 years old, Mrs. W. Stockwell.
156. Memorandum book written in the Russian language, 1886, Miss Nellie Heck.
157. Quartz frame, Miss Nellie Heck.
158. Child's gold bracelets, Miss Nellie Heck.
159. Siberian picture, Miss Nellie Heck.
160–162. Chinese shawls, Mrs. L. Bassilio.
163. Sampler, Mrs. Derrick.
164. Box made of curled maple in 1826, Mrs. Derrick.
165. Bedspread 65 years old, made by Mrs. Edward Spooner, of Fairhaven, Mass., Mrs. A. Spooner.
166. Embroidered vest 65 years old, Mrs. A. Spooner.
167. Linen shirt, home-made, 150 years old, Mrs. A. Spooner.
168. Pillow case, home-made, Mrs. A. Spooner.
169. Two chairs which were brought from England in the ship Ann, in 1623.
170. Chair belonging to a set of furniture which Washington had in his camp at Cambridge, Mass., in 1776; said furniture then belonging to Samuel Eliot, of Boston, Mrs. A. Spooner.
171. Note book of music and song, over 100 years old, Mrs. A. Spooner.
172. Family Bible, printed in 1806, Mrs. A. Spooner.
173. Old copy of Milton's Paradise Lost, Mrs. A. Spooner.
174. Bone spoon, Mrs. Jory.
175. Pair of bracelets, Mrs. Jory.
176. Shawl, Madeline Cabezut.
177. Jewelry, Mrs. H. M. Fanning.
178. Pair of spoons from China, J. D. Fanning.
179. Apron made in St. Petersburg by a child 10 years old, J. D. Fanning.
180. Large doll, Clara Washington.
181. Mug, 63 years old, Mrs. A. Spooner.
182. Plate, 150 years old, Mrs. A. Spooner.
183. Plate, 60 years old, Mrs. A. Spooner.
184. Cup and saucer, 150 years old, Mrs. A. Spooner.
185. Indian dagger, Mrs. A. Spooner.
186. Winkle shells and spawn, Mrs. A. Spooner.
187. Small pitcher, 100 years old, Mrs. L. B. Holt.
188. Glass sugar bowl, Susanna Ogglesby.
189. Small basket, Susanna Ogglesby.
190. Sampler, Susanna Ogglesby.
191. Raw flax, raised in New York; flax thread, W. H. Derrick.
192. Cap, worked in 1831, W. H. Derrick.
193. Pair of snuffers and tray, W. H. Derrick.
194. Kettle, brought across the plains in 1850, W. H. Derrick.
195. Wine glass over 400 years old; it has been used by King Richard III., E. R. Hedges.
196. Cup and saucer brought from England, from 250 to 300 years old, E. R. Hedges.
197. Pitcher brought from England in 1630 by Thomas Richards, ancestor of E. R. Hedges.
198. Shawl brought from England in 1630, E. R. Hedges.
199. Shawl, E. R. Hedges.
200. Towels, made by hand by grandmother of E. R. Hedges.
201. Lace veil brought from England in 1630, E. R. Hedges.
202. Butcher belt, F. Sievers.
203. Sampler, worked in 1845, Mrs. ———.
204. String of beads, 75 years old, Mrs. ———.
205. Silk handkerchief, worn 45 years ago, Mrs. ———.

CURIOSITY SHOP—Continued.

206. Book of Scotch poems, published in 1805, D. Tummelty.
207. Lace collar, about 80 years old, Mrs. Pennell.
208. Piece of German linen, 106 years old, Mrs. Pennell.
209. Sleeve of a dress, 93 years old, Mrs. Pennell.
210. Chair, 41 years old, Mrs. C. J. Smith.
211. Chair, 104 years old, Mrs. C. J. Smith.
212. Table, Mrs. C. J. Smith.
213. Rustic chairs, G. L. Hushberger.
214. Silk shawl, Mrs. Bassilio.
215. Flag presented to Company "A," Third Infantry, General Ketchum.
216. Fifty-dollar post note, issued in 1840, during President Van Buren's administration, General Ketchum.
217. Brass candlesticks, Mrs. E. B. Stowe.
218. Indian earrings, Mrs. E. B. Stowe.
219. Pair of moccasins, Mrs. E. B. Stowe.
220. Piece of turf, used for fuel in Ireland, Mrs. W. O. Robinson.
221. Baby dress, 54 years old, Mrs. S. H. Fickett.
222. Oil portraits, 50 years old, Mrs. S. H. Fickett.
224. Sampler, worked in 1804, Mrs. W. L. Overhiser.
225. Sampler, Mrs. W. L. Overhiser.
226. Gold pin and buckle, Mrs. W. L. Overhiser.
227. Pin and buckle, 60 years old, Mrs. W. L. Overhiser.
228. Beaded hand-bag, Mrs. W. L. Overhiser.
229. Old lady's bonnet, Mrs. W. L. Overhiser.
230. Old lady's hood, Mrs. W. L. Overhiser.
231. Copy of Boston "Gazette," published in 1770, A. C. Oullahan.
232. Saber, Mrs. C. H. Gordon.
233. Sash, Mrs. C. H. Gordon.
234. Pair of snuffers and tray, 103 years old, Mrs. Clifford.
235. Snuff box, over 100 years old, Mrs. Clifford.
236. Mantel ornament, 103 years old, Mrs. Clifford.
237. Pebble trunk, made by M. N. Dunlap, aged 75 years, Mrs. L. A. Roundtree.
238. Silver spoons, 100 years old, Mrs. P. S. Wilkes.
239. Salt-spoon, 100 years old, Mrs. P. S. Wilkes.
240. Silver buttons, 60 years old, Mrs. P. S. Wilkes.
242. Basket, made from a dagger tree grown on Island of Jamaica, Mrs. H. M. La Rue.
243. Wall pocket, made from same tree, Mrs. H. M. La Rue.
244. Lace bark of a tree from Jamaica Island, Mrs. H. M. La Rue.
245. Indian cup, Mrs. H. M. La Rue.
246. Indian cup, Mrs. H. M. La Rue.
247. Mask, Indian work, Mrs. H. M. La Rue.
248. Cocoanuts from Jamaica Island, Mrs. H. M. La Rue.
249. Box of Guinea corn, Mrs. H. M. La Rue.
250. Licorice wood bean, Mrs. H. M. La Rue.
251. Snail shell, Mrs. H. M. La Rue.
252. Cotton, from cottonwood tree from Jamaica Island, Mrs. H. M. La Rue.
253. Soldier shells, Mrs. H. M. La Rue.
254. Frames made from banana leaves, Mrs. H. M. La Rue.
255. Lichen, from Island of Jamaica, Mrs. H. M. La Rue.
256. Sugar bowl, bought in 1776, Mrs. N. E. Alling.
257. Gray squirrel, Dr. Davenport.
258. Red squirrel, Dr. Davenport.
259. Wildcat, Dr. Davenport.
260. Owl, Dr. Davenport.
261. Hawk, Dr. Davenport.
262. Buzzard, Dr. Davenport.
263. Owl, Dr. Davenport.
264. Back-bone of a shark, N. D. Gifford.
265. Cup and saucer, over 100 years old, Mrs. J. M. McCall.

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

### PARK.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | | |
| Fred Archer, four years old | Colonel C. Dorsey | Oakdale | $25 00 |
| Rackety Jack, six years old | James McAffee | Stockton | $8 00 |
| March Wind, two years old | Colonel C. Dorsey | Oakdale | $15 00 |
| Suckling | L. U. Shippee | Stockton | $3 00 |
| MARES. | | | |
| Rachel, four years old | W. R. Ruggles | Stockton | $15 00 |
| Stella S, two years old | L. U. Shippee | Stockton | $10 00 |
| Salfarara, two years old | L. U. Shippee | Stockton | $4 00 |
| Suckling filly | L. U. Shippee | Stockton | $2 00 |
| CLASS II—ROADSTERS—STALLIONS. | | | |
| Hawthorne, nine years old | L. U. Shippee | Stockton | $25 00 |
| Mount Vernon, seven years old | J. A. McCloud | Stockton | $8 00 |
| Echo, Jr., three years old | S. Hewlett | Stockton | $15 00 |
| Harry N, two years old | N. Nevin | Stockton | $10 00 |
| Nutgrove, two years old | Ed. Topham | Milpitas | $3 00 |
| ——, one year old | W. A. French | Stockton | $7 50 |
| George S, one year old | G. W. Sampson | French Camp | $2 50 |
| MARES AND GELDINGS. | | | |
| Palladin, four years old or over | L. U. Shippee | Stockton | $15 00 |
| Bohemian Girl, four years old or over | R. E. Stowe | Stockton | $5 00 |
| Carrie Vernon, three years old | J. A. McCloud | Stockton | $10 00 |
| Flash, three years old | W. F. Jordan | Stockton | $3 00 |
| Dewdrop, two years old | W. F. Jordan | Stockton | $7 50 |
| Kitty Vernon, two years old | George W. French | Stockton | $2 50 |
| YEARLING FILLIES. | | | |
| Lorina | B. E. Harris | San Francisco | $5 00 |
| Oasis | Mrs. Lucy P. Goff | Stockton | $2 00 |
| SPAN OF MATCHED ROADSTERS. | | | |
| George and Lady Washington | Sargent Bros. | Lodi | $20 00 |
| Lady and Mollie | J. F. Visher | Stockton | $7 00 |
| TROTTING SUCKLING COLTS. | | | |
| Brentwood | B. E. Harris | San Francisco | $4 00 |
| Pilot | L. U. Shippee | Stockton | $2 00 |
| TROTTING SUCKLING FILLIES. | | | |
| Roxey | L. U. Shippee | Stockton | $4 00 |
| Blondy | W. A. French | Stockton | $2 00 |
| CLASS III—HORSES FOR ALL PURPOSES—STALLIONS. | | | |
| B D I, three years old | W. S. Alexander | Stockton | $12 50 |
| Davy Crockett, three years old or over | W. F. Smith | Farmington | $12 50 |
| Wreckman, three years old or over | J. Boyce | Lockeford | $8 00 |
| Johnny Vernon, two years old | Alex. Gross | Stockton | $15 00 |
| Prince, two years old | F. B. Haslam | Stockton | |
| MARES. | | | |
| Mollie, six years old | William Thomas | Douglas Flat | $10 00 |
| Sweetwood, three years old or over | B. E. Harris | San Francisco | $4 00 |
| Flora, six years old | N. Nevin | Stockton | $10 00 |
| Victoria, two years old | William Thomas | Douglas Flat | Sub. to In. |

FIRST DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| STALLIONS—OTHER THAN THOROUGHBREDS. | | | |
| Mt. Vernon and ten colts | J. A. McCloud | Stockton | |
| MARES. | | | |
| Brown Tempest and four colts | L. U. Shippee | Stockton | |
| CLASS IV—DRAFT HORSES—STALLIONS. | | | |
| Paris, six years old | Nicewonger & Ellenwood | Ripon | $25 00 |
| Sir Francis, three years old | E. P. Allison | Lodi | $8 00 |
| Wastely, two years old | J. M. Ritchie | Grayson | $15 00 |
| Len Smith, four years old | N. Nevin | Stockton | Sp. prem. |
| MARES. | | | |
| Madame, two years old or over | W. B. Ellenwood | Atlanta | $10 00 |
| CLASS V—CARRIAGE ANIMALS. | | | |
| Amy H, four years old | S. Hewlett | Stockton | $7 50 |
| CLASS VI—SPANS OF MULES. | | | |
| Jude and Puss | T. J. Pope | Stockton | $15 00 |
| Ned and Quinn | T. J. Pope | Stockton | $5 00 |
| CLASS VII—JACKS AND JENNIES. | | | |
| Bruce, jack, three years old | I. R. Mickey | Stockton | $25 00 |
| Washington Eclipse, Jr., jack, two years old | Levi Carter | Ceres | $15 00 |
| Goliah, suckling jack | L. U. Shippee | Stockton | $3 00 |
| Lumix, jenny, six years old | L. U. Shippee | Stockton | $15 00 |
| Bird, jenny, five years old | L. U. Shippee | Stockton | $5 00 |
| Julia, jenny, two years old | L. U. Shippee | Stockton | $10 00 |
| Maude, jenny, one year old | L. U. Shippee | Stockton | $7 50 |
| Annie, suckling jenny | L. U. Shippee | Stockton | $2 00 |
| CLASS VIII—DURHAMS—BULLS. | | | |
| 3d Kirklevington of Forest Home, three years old or over | C. Younger & Son | San José | $20 00 |
| 26th Kirklevington, two years old | C. Younger & Son | San José | $15 00 |
| Hightower, two years old | C. A. Stowe | Stockton | $5 00 |
| Napoleon, one year old | E. S. Beecher | Stockton | $9 00 |
| 43d Kirklevington, bull calf | C. Younger & Son | San José | $3 00 |
| COWS. | | | |
| 4th Belle of Forest Home, three years old or over | C. Younger & Son | San José | $15 00 |
| 4th Jessie Maynard, two years old | C. Younger & Son | San José | $10 00 |
| 11th Oxford Rose, one year old | C. Younger & Son | San José | $7 50 |
| 12th Oxford Rose, heifer calf | C. Younger & Son | San José | $2 00 |
| CLASS X—JERSEYS—BULLS. | | | |
| Waterman, three years old or over | H. S. Sargent | Stockton | $10 00 |
| Earl Mameluke, three years old or over | Levi Carter | Ceres | $6 00 |
| Maud's Olaf, two years old | Thomas Ward | Oakland | $10 00 |
| Silver King, one year old | Thomas Ward | Oakland | $9 00 |
| Aloha S, bull calf | H. S. Sargent | Stockton | $3 00 |
| COWS. | | | |
| Lady Maud, three years old or over | Thomas Ward | Oakland | $15 00 |
| Daisy W, three years old or over | H. S. Sargent | Stockton | $5 00 |
| Amy Platt, two years old | H. S. Sargent | Stockton | $10 00 |
| Anita, two years old | Thomas Ward | Oakland | $3 00 |
| Modjeska, one year old | H. S. Sargent | Stockton | $7 50 |
| Oakland Queen, one year old | Thomas Ward | Oakland | $2 50 |
| CLASS XI—HOLSTEINS—BULLS. | | | |
| Pio Pico, three years old or over | Dr. W. H. Mays | Stockton | $20 00 |
| El Cuerro of Netherland, two years old | F. H. Burke | Menlo Park | $15 00 |
| King of Menlo, one year old | F. H. Burke | Menlo Park | $9 00 |
| Stockton, bull calf | W. F. Sibley | Stockton | $3 00 |

FIRST DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| COWS. | | | |
| Sylpha, three years old or over | F. H. Burke | Menlo Park | $15 00 |
| Duchess of Oak Grove, three years old or over | Dr. W. H. Mays | Stockton | $5 00 |
| Onterette, two years old | F. H. Burke | Menlo Park | |
| Belanga, one year old | F. H. Burke | Menlo Park | $7 50 |
| CLASS XIII—HERDS OF CATTLE. | | | |
| Durham herd | C. Younger & Son | San José | $20 00 |
| Holstein herd | F. H. Burke | Menlo Park | $20 00 |
| Jersey herd | H. S. Sargent | Stockton | $20 00 |
| CLASS XV—SHEEP. | | | |
| Cotswold ram | C. Younger & Son | San José | $10 00 |
| Pen of Cotswold ewes, not less than five | C. Younger & Son | San José | $7 50 |
| CLASS XVI—ESSEX AND BERKSHIRE SWINE. | | | |
| Essex boar, four months old | W. A. French | Stockton | $10 00 |
| Berkshire boar | L. U. Shippee | Stockton | $10 00 |
| Essex sow, four months old | W. A. French | Stockton | $9 00 |
| Berkshire sow | L. U. Shippee | Stockton | $9 00 |
| Berkshire sow | W. A. French | Stockton | $3 00 |
| Berkshire sow, and four pigs | L. U. Shippee | Stockton | $10 00 |
| CLASS XVII—POULTRY. | | | |
| Pair of Plymouth Rocks | L. U. Shippee | Stockton | $2 50 |
| Pair of Leghorns | W. A. French | Stockton | $2 50 |
| Pair of Leghorns | T. Ward | Oakland | $1 25 |
| Pair of Bantams | W. J. Hickox | Stockton | $2 50 |
| Pair of Rouen ducks | F. H. Burke | Menlo Park | $2 50 |
| Pair of Pekin ducks | F. H. Burke | Menlo Park | $2 50 |
| Pair of geese, Toulouse | F. H. Burke | Menlo Park | $2 50 |
| Trio of turkeys | W. A. French | Stockton | $3 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASSES I AND II. | | | |
| Best header | Matteson & Williamson | Stockton | $10 00 |
| Lightning hay press | S. C. H. & A. Works | Stockton | $5 00 |
| Combined clod crusher, harrow, pulverizer, and leveler | Weinstock & Lubin | Sacramento | |
| Roller seed sower and harrow combined | Matteson & Williamson | Stockton | Sp. men. |
| Combined seed sower, harrow, roller, and leveler | Octave Granville | Stockton | Diploma. |

## LADIES' EQUESTRIANISM.

| Premium. | Rider. | Address. | Award. |
|---|---|---|---|
| First premium | Miss A. E. Smith | Stockton | $25 00 |
| Second premium | Frankie Cowell (11 years of age) | Stockton | $15 00 |
| Third premium | Edith Bailey | Stockton | $10 00 |

# SECOND DEPARTMENT.

## PAVILION.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—FARM PRODUCTS RAISED IN DISTRICT NO. II. | | | |
| Best six varieties of wheat, one hundred pounds each | J. D. Huffman | Lodi | $10 00 |
| Best three varieties of barley, one hundred pounds each | J. D. Huffman | Lodi | $10 00 |
| Best fifty pounds of rye | J. D. Huffman | Lodi | $10 00 |
| CULTIVATED NUTS. | | | |
| Best five pounds of English walnuts | Mrs. W. B. West | Stockton | $2 00 |
| Best five pounds of softshell almonds | Mrs. Joseph Hale | Stockton | $2 00 |
| CLASS II—VEGETABLES. | | | |
| Best and largest variety of vegetables raised on one ranch, and exhibited by the producer | L. U. Shippee | Stockton | $10 00 |
| Second best and largest variety vegetables raised on one ranch and exhibited by the producer | Mrs. C. C. Castle | Stockton | Sub. to Indep'nt. |
| Best and largest exhibit of vegetables, fruit, etc., by one person | L. U. Shippee | Stockton | $10 00 |
| CLASS III—GRAINS AND GRASSES. | | | |
| Best thirty bundles of grain of not less than seven varieties, each ten inches thick at the band; straw not less than two feet long | J. D. Huffman | Lodi | $25 00 |
| For the most artistically arranged display of grain, as above, special premium | J. D. Huffman | Lodi | $10 00 |
| For the most artistically arranged display of California grasses | J. D. Huffman | Lodi | $10 00 |
| CLASS V—HORTICULTURAL DEPARTMENT. | | | |
| Largest and best collection of apples | J. Putnam | Clements | $10 00 |
| Second largest and best collection of apples | L. U. Shippee | Stockton | $4 00 |
| Best five varieties of apples | L. U. Shippee | Stockton | Am. Agri. |
| Largest and best collection of pears | J. Putnam | Clements | $8 00 |
| Second largest and best collection of pears | L. U. Shippee | Stockton | $3 00 |
| Best five varieties of pears, five each | L. U. Shippee | Stockton | $3 00 |
| Best three varieties of pears, five each | L. U. Shippee | Stockton | Am. Agri. |
| Largest and best collection of peaches | J. Putnam | Clements | $5 00 |
| Second best collection of peaches | L. U. Shippee | Stockton | $2 00 |
| Best twelve peaches of any variety | L. U. Shippee | Stockton | $2 00 |
| Largest and best collection of nectarines | L. U. Shippee | Stockton | $3 00 |
| Best twelve specimens of quinces | L. U. Shippee | Stockton | $3 00 |
| Second best twelve specimens of quinces | Mrs. Jos. Hale | Stockton | Am. Agri. |
| Best collection of pomegranates | Mrs. G. S. Allard | Stockton | $3 00 |
| Best collection of apricots | L. U. Shippee | Stockton | $3 00 |
| Best collection of plums, named varieties, six of each | L. U. Shippee | Stockton | $3 00 |
| Best twelve plums of any variety | L. U. Shippee | Stockton | $2 00 |
| Best collection of prunes | L. U. Shippee | Stockton | $3 00 |
| Best display of oranges | L. U. Shippee | Stockton | $3 00 |
| Best collection of grapes | Frank West | Stockton | $10 00 |
| Second best collection of grapes | J. Putnam | Clements | $5 00 |
| Best five varieties of grapes | T. J. Stephens | Stockton | $3 00 |
| Second best five varieties of grapes | L. U. Shippee | Stockton | Am. Agri. |
| Best single variety of grapes | Ada Learned | Stockton | $3 00 |
| Best eight bunches of raisin grapes | Ada Learned | Stockton | $5 00 |
| Best collection of figs | Allan Reid | Stockton | $3 00 |
| Second best collection of figs | L. U. Shippee | Stockton | $1 50 |
| Best six specimens of figs | L. U. Shippee | Stockton | $2 00 |
| Best exhibit of olives | L. U. Shippee | Stockton | $3 00 |
| Largest and best exhibit of fruit | J. D. Huffman | Lodi | $20 00 |
| Second largest and best exhibit of fruit | J. Putnam | Clements | $6 00 |
| Largest and best exhibit of fruit in the district by one person | L. U. Shippee | Stockton | $15 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS V—DRIED FRUIT. | | | |
| Best box of prunes | T. J. Stephens | Stockton | $3 00 |
| Second best box of prunes | Mrs. J. Hale | Stockton | $1 00 |
| Best box of raisins | Mrs. J. Hale | Stockton | $3 00 |
| Best box of figs | Mrs. J. Hale | Stockton | $3 00 |
| Second best box of figs | T. J. Stephens | Stockton | $1 50 |
| Best box of plums | T. J. Stephens | Stockton | $2 00 |
| Best box of peaches | T. J. Stephens | Stockton | $2 00 |
| Best box of pears | T. J. Stephens | Stockton | $2 00 |
| Best box of apricots | Mrs. J. Hale | Stockton | $2 00 |
| Best box of nectarines | T. J. Stephens | Stockton | $2 00 |
| FRUIT IN JARS. | | | |
| Best exhibit of fruit preserved in spirits | Mrs. J. C. Reid | Stockton | $5 00 |
| Second best exhibit of fruit preserved in spirits | Mrs. J. Hale | Stockton | $2 00 |
| Best exhibit of fruit preserved in sugar | Mrs. J. Hale | Stockton | $10 00 |
| Second best exhibit of fruit preserved in sugar | Mrs. J. C. Reid | Stockton | $4 00 |
| JELLIES. | | | |
| Best exhibit of jellies | Mrs. J. C. Reid | Stockton | $7 50 |
| Second best exhibit of jellies | Mrs. J. Hale | Stockton | $2 50 |
| CANNED FRUITS. | | | |
| Best canned fruit | Mrs. J. Hale | Stockton | $10 00 |
| Best assortment of pickles of all kinds | Mrs. J. Hale | Stockton | $5 00 |
| For cucumber pickles | Mrs. J. C. Reid | Stockton | Sp.men. |
| Best assortment of crystallized fruit | Mrs. J. Hale | Stockton | $5 00 |
| Best assortment of tomato catsup | Mrs. J. Hale | Stockton | $3 00 |
| CLASS VI—HOME WORK. | | | |
| Best cheese, thirty pounds or more | J. M. Bigger | Stockton | $7 50 |
| CLASS VII—FLORAL. | | | |
| Best collection of flowering plants in bloom | Mrs. R. S. Bates | Stockton | $5 00 |
| Best collection of ornamental foliage plants | Mrs. R. S. Bates | Stockton | $2 00 |
| Best collection of new and rare plants | Mrs. R. S. Bates | Stockton | $2 00 |
| Best display of cut flowers | Mrs. R. S. Bates | Stockton | $3 00 |
| Best display of bouquets | Mrs. R. S. Bates | Stockton | $2 00 |
| Best display of plants for greenhouse, conservatory, and window culture | Mrs. R. S. Bates | Stockton | $2 00 |
| Best display of hanging baskets containing plants | Mrs. R. S. Bates | Stockton | $2 00 |
| Best display of ornamental grasses | Mrs. R. S. Bates | Stockton | $2 00 |
| Best display of single floral piece | Mrs. B. Harrison | Stockton | $3 00 |
| CULINARY. | | | |
| Best steamed brown bread | Mrs. J. Hale | Stockton | $2 00 |
| Best white bread | Mrs. Ed. Byrnes | Stockton | $2 00 |
| Second best white bread | Mrs. J. C. Reid | Stockton | $1 00 |
| Best graham bread | Mrs. J. Hale | Stockton | $2 00 |
| Best gingerbread | Mrs. J. Hale | Stockton | $1 50 |
| Best corn bread | Mrs. J. C. Reid | Stockton | $2 50 |
| Best plate of biscuit | Mrs. H. E. Williamson | Stockton | $2 00 |
| Best fruit cake | Mrs. J. Hale | Stockton | $3 00 |
| Best pound cake | Mrs. H. E. Williamson | Stockton | $3 00 |
| Best sponge cake | Mrs. L. C. Thom | Stockton | $2 50 |
| Best jelly cake | Mrs. Ed. Byrnes | Stockton | $1 50 |
| Best chocolate cake | Mrs. J. C. Reid | Stockton | $1 50 |
| Best nut cake | Mrs. J. C. Reid | Stockton | $0 75 |
| | Mrs. Jos. Hale | Stockton | $0 75 |
| Best cocoanut cake | Mrs. H. E. Williamson | Stockton | $1 50 |
| Best angel cake | Mrs. L. C. Thom | Stockton | $1 50 |
| Best doughnuts | Miss K. T. Kelly | Stockton | $1 50 |

DISPLAY FROM PLACER COUNTY.

A large display of peaches and pears, so far as Nevada and Placer Counties are concerned, equal; both good. Exhibit of olives from Placer County being superior, as also the variety of nuts, lemons, and oranges. In fact, all the fruit from Placer, including apples, grapes, prunes, crabapples, and Japanese persimmons, is of superior quality.

DISPLAY FROM NEVADA COUNTY.

A large display of apples and peaches. All fruit from this county is of very superior quality. The exhibit of vegetables, consisting of Irish potatoes, sweet potatoes, yams, and squashes, is very creditable, though not large. A fine display of nuts. One noticeable fruit was a plum propagated from the wild plum; four removes has produced a large, fine flavored, handsome fruit. One squash in this display weighs one hundred and fifty pounds. Two boxes of fine peaches were brought from Mr. Nickerson's private orchard.

The display of vegetables from the stock farm of A. Chebt, Sunol, Alameda County, consists principally of four monster squashes, weighing from one hundred and sixty to one hundred and ninety pounds each; total weight of the four squashes, seven hundred pounds.

DISPLAY FROM COLUSA COUNTY.

Splendid specimens of melons, weighing from sixty to seventy pounds each; fine specimen of white and Indian corn; also, broom corn of finest quality, twenty-two inches in length. Fine squash weighing one hundred and thirty pounds from the ranch of Hon. John Boggs.

DISPLAY FROM AMADOR COUNTY.

Peculiar and fine, consisting of peaches, apples, papaws, nuts (large variety), black walnuts of enormous size (being eight inches in circumference), hazel nuts, etc., persimmons, for which we would recommend a special premium.

D. A. Learned, Stockton, exhibits an excellent and varied display of grapes, both table and raisin; also, a fine assortment of quinces, peaches, oranges, Japanese persimmons, black walnuts, pecans, chestnuts, pomegranates, seedling peaches, etc.

Thomas E. Ketchum's collection of pomegranates is deserving of special mention, as the specimens are very fine.

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor | Address. | Award. |
|---|---|---|---|
| CLASS I—MACHINERY, IMPLEMENTS, ETC. | | | |
| Best wheat drill | Truman, Hooker & Co. | San Francisco | $3 00 |
| Best mowing machine | H. C. Shaw | Stockton | $2 00 |
| Best potato digger | Grangers Union | Stockton | $3 00 |
| Best plow for all purposes | Grangers Union | Stockton | $3 00 |
| Best gang plow | H. C. Shaw | Stockton | $3 00 |
| Best sulky plow | M. P. Henderson & Son | Stockton | $3 00 |
| Best fanning mill | S. C. H. & A. W'ks. | Stockton | $3 00 |
| Best farm gate | Drum & Cameron | Sacramento | $2 00 |
| Best grain clean'g attachm't for thrasher | S. C. H. & A. W'ks. | Stockton | $3 00 |
| Best grain cleaner, independent | S. C. H. & A. W'ks. | Stockton | $2 00 |
| Best harrow | Truman, Hooker & Co. | San Francisco | $3 00 |
| Best horse rake | M. P. Henderson & Son. | Stockton | $3 00 |
| Best hay and straw cutter | Grangers Union | Stockton | $2 00 |
| Best derrick fork | Grangers Union | Stockton | $3 00 |
| Best display of haying and harvesting tools | M. P. Henderson & Son | Stockton | $6 00 |
| Best farm wagon for general purposes, wood or iron | M. P. Henderson & Son | Stockton | $4 00 |
| Iron frame four-furrow gang plow | Truman, Hooker & Co. | San Francisco | Diploma. |
| Bain iron wagon | John Caine | Stockton | Diploma. |
| CLASS II—MACHINERY, BLACKSMITH WORK, ETC. | | | |
| Best display of agricultural implements, by any one house, Cal. manufacture | S. C. H. & A. W'ks. | Stockton | $20 00 |
| Best steam engine, Cal. manufacture | Strait & Cadle | Stockton | $15 00 |
| Best windmill | R. F. Wilson | Stockton | $5 00 |
| Tempest windmill | A. L. Davis | Stockton | Sp. men. |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—TOOLS AND HOUSEHOLD IMPLEMENTS. | | | |
| Best churn | Smith & Martin | | $2 00 |
| Best washing machine | Grangers Union | Stockton | $2 00 |
| Best wine press | Grangers Union | Stockton | $2 00 |
| Best display of horseshoes | Boyd & Morgan | Stockton | $3 00 |
| CLASS IV—VEHICLES. | | | |
| Best and largest display | M. P. Henderson & Son | Stockton | $10 00 |
| Best and largest display | H. C. Shaw | Stockton | Sp. men. |
| Best family carriage | M. P. Henderson & Son | Stockton | $5 00 |
| Best top buggy | M. P. Henderson & Son | Stockton | $3 00 |
| Best open buggy | M. P. Henderson & Son | Stockton | $2 00 |
| Best two-seated open wagon | H. C. Shaw | Stockton | $1 50 |
| Best two-seated open wagon | M. P. Henderson & Son | Stockton | $1 50 |
| Best trotting wagon | M. P. Henderson & Son | Stockton | $2 00 |
| Best spring market wagon | H. C. Shaw Plow Works | Stockton | $2 00 |
| Best ladies' phaeton | M. P. Henderson & Son | Stockton | $3 00 |
| Best wagon or carriage brake | M. P. Henderson & Son | Stockton | $1 00 |
| Best carriage springs | M. P. Henderson & Son | Stockton | $2 00 |
| Best buckboard | M. P. Henderson & Son | Stockton | Sp. men. |
| Best display of carriage materials, wheels, and trimmings | M. P. Henderson & Son | Stockton | $4 00 |
| Best display of vehicles manufactured in California, variety considered; only one vehicle of a kind admitted in display | M. P. Henderson & Son | Stockton | $7 50 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—FINE ARTS, ETC. | | | |
| Best specimen of marine painting | Walter E. Steves | Stockton | $5 00 |
| Second best specimen of marine painting | Mrs. G. A. Atherton | Stockton | $2 00 |
| Best specimen of portrait painting | J. P. Spooner | Stockton | $7 50 |
| Second best specimen of portrait painting | Joseph Goyette | Stockton | $2 50 |
| Best specimen of portrait painting | J. P. Spooner | Stockton | Diploma. |
| Best specimen of figure painting | Mrs. M. H. Ober | Stockton | $3 00 |
| Best specimen of landscape painting | Miss Alma Clapp | Stockton | $7 50 |
| Second best specimen of landscape painting | Mrs. G. A. Atherton | Stockton | $2 50 |
| Specimen of figure painting | J. P. Spooner | Stockton | Diploma. |
| Best specimen of animal painting | Walter E. Steves | Stockton | $2 50 |
| Animal painting | Miss Alma Clapp | Stockton | Diploma. |
| Best display of plaque painting | Mrs. G. A. Atherton | Stockton | $3 00 |
| Second best display of plaque painting | Mrs. J. C. McCall | Stockton | $1 00 |
| Best specimen of flower painting | Mrs. J. L. Beecher | Stockton | $3 00 |
| Second best specimen of flower painting | Miss Alma Clapp | Stockton | $1 00 |
| Best California wild flowers, in oil | Miss Alma Clapp | Stockton | $5 00 |
| California wild flowers, in oil | Mrs. G. S. Alard | Stockton | Diploma. |
| Best specimen of fruit painting | Walter E. Steves | Stockton | $3 00 |
| Second best specimen of fruit painting | Miss Alma Clapp | Stockton | $1 00 |
| Best general exhibition of paintings in oil | Mrs. G. A. Atherton | Stockton | $10 00 |
| Best exhibit of paintings in oil, from life | Walter E. Steves | Stockton | Prem. rec. |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best California wild flowers | Mrs. G. S. Allard | Stockton | $3 00 |
| Best specimen of landscape painting | Miss N. Littlehale | Stockton | $5 00 |
| Best display of flower painting | Miss N. Littlehale | Stockton | $3 00 |
| Best pencil drawing | St. Mary's College | Stockton | $1 50 |
| Colored crayon, solar portrait | J. P. Spooner | Stockton | Diploma. |
| Basket of wild flowers | Mrs. G. S. Allard | Stockton | Diploma. |
| EXHIBITIONS. | | | |
| Best photographs | J. P. Spooner | Stockton | $10 00 |
| Best penmanship | F. E. Cook | Stockton | $3 00 |
| Best crayon drawings | Mrs. W. O. Robinson | Stockton | $2 50 |
| Best colored crayon drawings | J. P. Spooner | Stockton | Diploma. |
| Best black crayon drawings | J. P. Spooner | Stockton | Diploma. |
| Best pen drawings | Miss N. Littlehale | Stockton | $3 00 |
| Lineal system of teaching geography | W. M. Bours | Stockton | Diploma. |
| CLASS II—ORNAMENTAL PAINTING. | | | |
| Best luster painting | Miss Alma Clapp | Stockton | $2 00 |
| Best kensington painting | Miss Alma Clapp | Stockton | $2 00 |
| Best painting on china | Mrs. Sarah E. Dorr | Stockton | $2 00 |
| Second best painting on china | Mrs. J. C. McCall | Stockton | $1 00 |
| Best painting on silk | Miss N. Littlehale | Stockton | $2 00 |
| Best painting on bolting cloth | Mrs. G. S. Allard | Stockton | $2 00 |
| Best painting on mirror | Mrs. G. S. Allard | Stockton | $2 00 |
| Second best painting on mirror | Walter E. Steves | Stockton | $1 00 |
| Best panel painting | Mrs. G. A. Atherton | Stockton | $2 00 |
| Best crayon sketch of a point in or near Stockton | Walter E. Steves | Stockton | $2 00 |
| Best collection of paintings of all kinds by any one person | Miss N. Littlehale | Stockton | $10 00 |
| Second best collection of paintings of all kinds by any one person | Walter E. Steves | Stockton | $4 00 |
| Best painted tile | Mrs. G. A. Atherton | Stockton | $1 50 |
| Best black and white paintings | Mrs. G. A. Atherton | Stockton | $2 00 |
| CLASS III—SILK CULTURE. | | | |
| Best display of silk cocoons | Mrs. J. D. Utt | Stockton | $10 00 |
| Second best display of silk cocoons, wild and tame | Joseph Neumann | San Francisco | $4 00 |
| Best display of reeled silk | Joseph Neumann | San Francisco | G. M. rec. |
| Display of reeled silk | Mrs. J. D. Utt | Stockton | $8, sp'cial prem. rec. |
| Best display of domestic silk, raised and manufactured in California | Joseph Neumann | San Francisco | $8 00 |
| Display of reeled silk and silk cocoons | Mrs. J. C. Reid | Stockton | Diploma. |
| CLASS IV—NEEDLEWORK, ETC. | | | |
| Best embroidery, raised | Mrs. J. C. McCall | Stockton | $3 00 |
| Second best embroidery, raised | Mrs. R. W. Miller | Stockton | $1 00 |
| Best embroidery, silk on flannel | Miss W. Fullerton | Stockton | $3 00 |
| Best embroidery, cross stitch | Mrs. R. W. Miller | Stockton | $1 50 |
| Best embroidery, etching | Miss W. Fullerton | Stockton | $1 00 |
| Best embroidery, kensington, in crewel or wool | Mrs. J. C. McCall | Stockton | $3 00 |
| Best embroidery, kensington, in silk | Mrs. J. C. McCall | Stockton | $3 00 |
| Second best embroidery, kensington, in silk | Mrs. R. W. Miller | Stockton | $1 00 |
| Best embroidery, arrasene | Mrs. J. L. Beecher | Stockton | $3 00 |
| Second best embroidery, arrasene | Mrs. W. B. West | Stockton | $1 00 |
| Embroidery, arrasene | Mrs. J. C. McCall | Stockton | $1 00 |
| Best embroidery, chenille | Mrs. Chas. Wagner | Stockton | $3 00 |
| Best embroidery, tinsel | Mrs. Joseph Hale | Stockton | $1 00 |
| Best crochet | Mrs. R. W. Miller | Stockton | $1 00 |
| Best crochet shawl | Mrs. W. B. West | Stockton | $3 00 |
| Best carriage afghan | Mrs. M. P. Marshall | Stockton | $3 00 |
| Second best carriage afghan | Mrs. W. B. West | Stockton | $1 00 |

NOTE.—The committee recommended a special premium for the special exhibition of twenty paintings not entered for competition, shown by Norton Bush of Sacramento.

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best specimen of etching | Mrs. Joseph Hale | Stockton | $1 00 |
| Best cotton knitting | Miss F. Thompson | Stockton | $1 50 |
| Best worsted knitting | Mrs. J. C. Reid | Stockton | $1 50 |
| Second best worsted knitting | Mrs. J. G. Giovanessi | Stockton | $1 00 |
| Best darned net | Miss W. Fullerton | Stockton | $1 00 |
| Display of hand knit underwear | Mrs. Pennell | Stockton | $1 00 |
| Best hand made lace | Mrs. J. D. Utt | Stockton | $2 00 |
| Hand made lace | Mrs. J. G. Giovanessi | Stockton | $1 50 |
| Best toilet set of scram | Mrs. R. W. Miller | Stockton | $1 00 |
| Best fancy apron for lady | Miss L. F. Booker | Stockton | $1 00 |
| Best Spanish drawn work | Miss M. Cabezat | Stockton | $2 50 |
| Second best Spanish drawn work | Mrs. S. E. Dorr | Stockton | $1 00 |
| Best lace handkerchief | Miss W. Fullerton | Stockton | $1 00 |
| Best ornamental perfume satchet | Mrs. J. C. McCall | Stockton | $1 00 |
| Best display of drawn thread work | Miss M. Cabezat | Stockton | $2 00 |
| Best display of hemstitching | Miss R. W. Miller | Stockton | $2 00 |
| Second best display of hemstitching | Mrs. S. E. Dorr | Stockton | $1 00 |
| Best and largest display of fancy work made by exhibitor | Mrs. W. O. Robinson | Stockton | Sub. to Indep'nt. |
| Best embroidered banner in silk | Mrs. W. O. Robinson | Stockton | $1 00 |
| Best macrame | Mrs. F. Leon | Stockton | $1 00 |
| Silk knitted purse | Mrs. Giovanessi | Stockton | $1 00 |
| Best drawn rug | Mrs. M. Netz | Stockton | $1 50 |
| Best braided rug | Mrs. Jos. Hale | Stockton | $1 00 |
| Best patchwork quilt | Mrs. Harvey Belden | Stockton | $3 00 |
| Second best patchwork quilt | Miss F. Thompson | Stockton | $1 00 |
| Best worsted skirt | Mrs. Jos. Hale | Stockton | $3 00 |
| Second best worsted skirt | Mrs. J. D. Utt | Stockton | $1 00 |
| Best paper flowers | Miss Bessie Austin | Stockton | $1 00 |
| Best lambrequin | Mrs. J. L. Beecher | Stockton | $2 00 |
| Best hair flowers | Mrs. M. Netz | Stockton | $1 50 |
| Best shell work | Mrs. J. W. Hart | Stockton | $1 50 |
| Best crazy quilt | Miss M. Marshall | Stockton | $5 00 |
| Second best crazy quilt | Miss W. Fullerton | Stockton | $2 00 |
| Best embroidered panel | Mrs. W. O. Robinson | Stockton | $1 50 |
| Best knitted slumber robe | Mrs. Jos. Hale | Stockton | $2 00 |
| Best pair silk stockings | Mrs. Jos. Hale | Stockton | $1 00 |
| Best table scarf | Mrs. J. C. McCall | Stockton | $2 00 |
| Best table cover | Mrs. J. C. McCall | Stockton | $2 50 |
| Case of all kinds of fancy work | Mrs. Mitchell | | Sp. pr. $2 |
| Best calico dress for a lady over fourteen years of age, and shown by exhibitor | Miss Castle | Stockton | $2 00 |
| Best calico dress for a lady or miss under fourteen years of age, and shown by exhibitor | Miss Dorr | Stockton | $5 00 |
| CLASS VI—DISPLAYS. | | | |
| Best general display of dry goods | Alex. Chalmers | Stockton | $10 00 |
| Best general display of cloaks and wraps | Alex. Chalmers | Stockton | $5 00 |
| Best general display of ladies and children's underwear | Mrs. M. H. Ober | San Francisco | $3 00 |
| Best general display of hats and caps | Lothrop & Noble | Stockton | $5 00 |
| Best general display of groceries | Liebenbaum Bros. | San Francisco | $7 50 |
| Best general display of hardware, stoves, etc. | Jackson & Earle | Stockton | $7 50 |
| Best general display of cigars and tobacco raised in the county | Alonzo Rhodes | Stockton | $5 00 |
| Best general display of druggists' sundries | H. H. Moore & Sons | Stockton | $5 00 |
| Best general display of musical instruments | A. L. Bancroft & Co. | San Francisco | $10 00 |
| Best general display of millinery | Mrs. M. Netz | Stockton | $6 00 |
| Best general display of ladies' hats and bonnets | Mrs. M. Netz | Stockton | $2 00 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best general display of flowers | Mrs. M. Netz | Stockton | $2 00 |
| Best general display of feathers | Mrs. M. Netz | Stockton | $2 00 |
| Best general display of ribbons | Mrs. M. Netz | Stockton | $2 00 |
| Best general display of children's millinery | Mrs. M. Netz | Stockton | $2 00 |
| Best general display of hardware and electrical goods | Austin Bros. | Stockton | $7 50 |
| Display of musical instruments | Benj. Curtaz & Son. | San Francisco | Diploma. |
| Display of millinery | Misses A. & N. Fyfe. | Stockton | $4 00 |
| Ornamental drawing | Jas. Barricklo | Stockton | Am. Agr. |
| Mechanical drawing | James Larkin | Stockton | Am. Agr. |
| Map drawing | John Garrow | Stockton | Am. Agr. |
| Best county exhibit | Pomona Grange | San Joaquin Co. | $150 00 |
| MISCELLANEOUS. | | | |
| General display of soaps | Capital Soap W'ks. | Sacramento | Sil. med. |
| Hawkeye fence machine | L. H. Evans | | Dip. rec. |
| Domestic sewing machine | J. E. Wood | Stockton | Dip. rec. |
| Furniture and wood carving of California manufacture | M. Schneider | Stockton | Pre. rec. |
| Display of shells | Mrs. Alice Kafitz | Stockton | Pre. rec. |
| Native silkworms and its products | Joseph Neumann | San Francisco | G. M. rec. |
| Embroidered lace | Miss L. F. Booker | Stockton | Pre. rec. |

NOTE.—The committee recommend a diploma for the display of druggists' sundries made by I. D. Holden, Stockton.

## SCHOOL WORK.

Display of architectural drawings, relief maps, model houses made to scale, geometrical figures made from pattern, penmanship, pen drawings, crayon free-hand drawings, relief maps for merit, and general display of pupils of St. Mary's College. Your committee recommend special premiums:

John Powers, for mechanical drawing, and Walter Morrissey and Miss E. D. Ewing, for map drawing.

FREE-HAND PENCIL DRAWING.

*Primary Class.*—Patrick E. Breen, James McEneny, and Harry Edwards.
*Intermediate Class.*—William Garrow, William Deegan, and John Tulan.
*Second Grade.*—Frank Garrow, Daniel Crowell, and Arthur Henley.
*First Grade.*—John Garrow, James R. Barricklo, and John Barricklo.
*High Class.*—Thomas Henery and John Toomey.

PEN DRAWING.

James J. Larkin and John J. Barrett.

ORNAMENTAL PENMANSHIP.

James J. Larkin.

CRAYON FREE-HAND DRAWING.

Robert Covert, William Young, and James Fitzgerald.

PENMANSHIP.

*Primary Class.*—Patrick E. Breen, James McEneny, and William Blaney.
*Intermediate Class.*—Joseph Peri, Arthur Clark, and John Tulan.
*Second Grade.*—Daniel Hogan, Frank Garrow, and Manuel Meza.
*First Grade.*—James R. Barricklo, John Garrow, and Walter A. Morrissey.
*High Class.*—James J. Larkin, John J. Barricklo, and Henry Fee.

ARCHITECTURAL DRAWINGS.

James J. Larkin, Henry Fee, and John Covert.

MODEL HOUSES.

Robert Winter, George Earl, and Emile Musto.

GEOMETRICAL FIGURES.

James J. Larkin, William Young, and Henry Fee.

## PREMIUMS—SPECIAL BABY SHOW.

| | |
|---|---|
| Clougherty twins | Pair bonnets. |
| McCann twins | Pair dresses. |
| McLean twins | Pair gold pins. |
| O'Connell twins | Pair gold rings. |
| Williams twins | Special, $1 00 |
| Clark twins | Special, $1 00 |
| Hart twins (colored) | Special, $5 00 |
| Eva Howell | $2 50 |
| Wilbur Rush | Pair silk shirts. |
| Gladys Swain | Gold pin. |
| Frankie Knowles | $2 50 |
| G. C. Turner | Toilet case and $1 00 |
| Isabel Arnest | $2 50 |
| Owen L. Meisel | $2 50 |
| Nellie Evans | Knitted hood. |
| Florence I. Davis | $2 50 |
| Walter Snow | $1 00 |
| Frances Sullivan | $1 00 |

COMMITTEE.—R. C. Sargent, Mrs. Alice Kafitz, Mrs. F. Arnold, F. G. Brown, Mrs. F. Bugbee, Mrs. B. C. Crawford, L. U. Shippee, Mrs. P. T. Brown, J. K. Doak, James Cavin, Mrs. J. N. Castle, A. Leitch.

## PREMIUMS SECOND SPECIAL BABY SHOW.

*Under Six Months of Age.*

| | |
|---|---|
| Fannie R. Sturcke | $2 50 |
| Jessie Duffy | $1 25 |
| Charlie Blair | $2 50 |

*Between Six and Twelve Months of Age.*

| | |
|---|---|
| Rosa Day | $2 50 |
| Hattie F. Ray | $1 25 |
| Edna Young | $1 25 |
| Ida Drisdon (Special) | $1 50 |
| Royal Morey | $2 50 |

*Between Twelve and Eighteen Months of Age.*

| | |
|---|---|
| Eleanor Chidister | $2 50 |
| Christina Gerlach | $1 25 |
| Raymond Morey | $2 50 |
| George C. Turner | $1 25 |
| Edna Myers | Gold pin |
| Mabel A. Pusey (Special for smartest baby) | $1 50 |

COMMITTEE.—H. C. Shaw, S. D. Woods, Phil. S. Beel, Mrs. F. T. Baldwin, Mrs. Anderson, Mrs. M. Netz, Mrs. Milton Hart.

# SPEED PROGRAMME.

TUESDAY, SEPTEMBER 18, 1888.

RACE NO. 1—RUNNING.

State running. For two-year olds. Seventy-five dollars stake; two hundred and fifty dollars added. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Floodtide, b. c., by Flood | A. Lathrop | San Francisco. |
| Aurelia, ch. f., by Wildidle | A. Lathrop | San Francisco. |
| Shannon Rose, b. f., by Shannon | A. Lathrop | San Francisco. |
| Cassandra, b. f., by imp. Kyrle Daly | B. C. Holly | Vallejo. |
| Agnes B, ch. f., by imp. Glengary | L. U. Shippee | Stockton. |
| Songstress, b. f., by Luke Blackburn | L. U. Shippee | Stockton. |
| Picnic, b. f., by imp. Mr. Pickwick | L. U. Shippee | Stockton. |

Walkover for Agnes B.

RACE NO. 2—TROTTING.

District trotting. Four-year olds. Seventy-five dollars stake; two hundred dollars added. Four moneys. Closed February 10, 1888. Mile and repeat; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J. C. Shelley, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Moses S, b. h., by Hawthorne | L. U. Shippee | Stockton. |
| Nettie C, b. f., by Elector | H. Nicewonger | Stockton. |
| Leck, b. g., by Elector | H. Nicewonger | Stockton. |
| Flora M, b. f., by Elector | G. H. Miller | Stockton. |
| Reliable, b. c., by Reliance | C. W. Turner | Stockton. |
| Steve Whipple, br. h., by Chrisman's Hambletonian | C. E. Needham | Tracy. |
| Prince Albert, b. g., by Dexter Prince | L. M. Morse | Lodi. |

SUMMARY.

| | | | |
|---|---|---|---|
| Steve Whipple | 1 | 1 | 1 |
| Moses S | 2 | 2 | 2 |
| Leck | dis. | | |

*Time*—2:27¼; 2:29; 2:32.

WEDNESDAY, SEPTEMBER 19, 1888.

RACE No. 4—RUNNING.

Jim Duffy Purse. Four hundred dollars. Four moneys. Free for all. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idalene Cotton, ch. f., by Jim Brown | Maltese Villa Stables | Merced. |
| Heliotrope, b. m., by Joe Hooker | Mrs. S. B. Wolfskill | Santa Monica. |
| Bay Bolton, b. c., by Wildidle | L. A. Lacey | Fresno. |
| Welcome, b. m., by Warwick | Dan Hennessey | Sacramento. |
| Oro, r. s., by Norfolk | Owens Bros. | Fresno. |
| Jack Brady, b. h., by Wildidle | W. L. Davis | Copperopolis. |
| Applause, b. g., by Three Cheers | T. G. Jones | Santa Rosa. |
| Nancy, ch. f., by Jim Brown | B. C. Holly | Vallejo. |
| Four Aces, s. c., by Hockhocking | J. D. Dunn | Los Angeles. |
| Mikado, c. g., by Shiloh | B. P. Hill | San Diego. |
| Carmalita, b. m., by Hardwood | B. P. Hill | San Diego. |
| Brutus, b. c., by Macgregor | Palo Alto Stock Farm | San Francisco. |

SUMMARY.

| | |
|---|---|
| Heliotrope | 1 |
| Welcome | 2 |
| Oro | 3 |
| Applause | 0 |

*Time*—1:43¾.

---

RACE No. 6—TROTTING.

District trotting. Three-year olds. Seventy-five dollars stake; two hundred dollars added. Four moneys. Three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Moses S, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Ida May, br. f., by Hawthorne | L. U. Shippee | Stockton. |
| Belle Tone, b. f., by Elector | L. A. Richards | Grayson. |
| Grace Vernon, br. f., by Mt. Vernon | G. W. Fox | Stockton. |
| ——, b. c., by Director | L. M. Morse | Lodi. |

SUMMARY.

| | | | |
|---|---|---|---|
| Moses S | 1 | 1 | 1 |
| Grace Vernon | 2 | 2 | 2 |

*Time*—2:50; 2:50; 2:55¼.

RACE No. 7—TROTTING.

District trotting. For three-year olds. Seventy-five dollars entrance; two hundred dollars added. Four moneys. Best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J R, br. c., by Elector | W. Murray | Grayson. |
| Kilrain, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Motion, b. c., by Electioneer | L. U. Shippee | Stockton. |
| Kittie Vernon, s. f., by Mt. Vernon | G. M. French | Stockton. |
| She, b. f., by Mt. Vernon | G. W. Fox | Stockton. |
| Jessie May, b. f., by Elector | G. H. Miller | Stockton. |
| Sadie, b. f., by Elector | L. A. Richards | Grayson. |
| Homer, b. c., by Dexter Prince | L. M. Morse | Lodi. |
| Idalene, b. c., by Dexter Prince | L. M. Morse | Lodi. |
| ——, s. c., by Ross S | R. C. Sargent | Lodi. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| J R | 1 | 1 | | |
| Kilrain | 2 | 2 | | |

*Time*—2:33¾; 2:41.

THURSDAY, SEPTEMBER 20, 1888.

RACE No. 9—TROTTING.

Pacific Coast trotting. 2:35 Class. Purse, one thousand dollars. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Perihelion, b. h., by Admiral | W. S. Ray | San Francisco. |
| Ben Ali, b. g., by G. M. Patchen | J. A. Goldsmith | Oakland. |
| Stoneman, br. g., sire unknown | C. T. Bunch | Ione. |
| Sonnet, b. f., by Bentonian | Palo Alto Stock Farm | San Francisco. |
| Cal Lambert, b. h., by Ben Franklin | L. U. Shippee | Stockton. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Ben Ali | 1 | 1 | 2 | 1 | |
| Sonnet | 2 | 2 | 1 | 2 | |
| Perihelion | | | | | dis. |

*Time*—2:25½; 2:26½; 2:24½; 2:30½.

RACE NO. 10—TROTTING.

State trotting. For four-year olds. Seventy-five dollars entrance; two hundred dollars added. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Last Chance, g. g., by Romero | A. A. Miller | Pleasanton. |
| Shamrock, blk. c., by Buccaneer | G. Valensin | Pleasanton. |
| Rex, b. g., by Anteeo | H. W. Seale | Mayfield. |
| J C Shelley, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Moses S, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Nettie C, b. f., by Elector | H. Nicewonger | Stockton. |
| Leck, b. g., by Elector | H. Nicewonger | Stockton. |
| Flora M, b. f., by Elector | G. H. Miller | Stockton. |
| Steve Whipple, br. h., by Chrisman's Hambletonian | C. E. Needham | Tracy. |
| Dubec, b. g., by Sultan | L. J. Rose | Los Angeles. |
| Prince Albert, b. g., by Dexter Prince | L. M. Morse | Lodi. |

SUMMARY.

| | | | |
|---|---|---|---|
| Steve Whipple | 1 | 1 | 1 |
| Dubec | 2 | 2 | 2 |

*Time*—2:26; 2:23; 2:28.

RACE NO. 11—PACING.

Pacific Coast pacing. 2:27 Class. Purse, five hundred dollars. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Hope, ch. g., by Tempest | W. Bradbury | San Francisco. |
| Damiana, s. g., by Admiral | L. E. Clawson | San Francisco. |
| Racquet, blk. g., sire unknown | C. I. Havens | San Francisco. |
| T B, s. h., by Guarantee | Owens Bros. | Fresno. |
| Hector C, s. h., by Prime | W. D. Hamilton | Stockton. |
| Dixey, b. s., sire unknown | J. H. Brown | Fresno. |
| Ned Winslow, b. g., by Tom Benton | J. L. McCord | Sacramento. |
| Little Doc, b. g., sire unknown | F. Seguin | Ione. |
| Goldleaf, c. f., by Sidney | Pleasant'n Stock Farm | Pleasanton. |
| San Diego, b. g., by Victor | H. C. Airhart | San Diego. |

SUMMARY.

| | | | |
|---|---|---|---|
| Goldleaf | 1 | 1 | 1 |
| Ned Winslow | 2 | 2 | 3 |
| San Diego | 3 | 3 | 2 |
| Little Hope | 4 | dis. | |

*Time*—2:21; 2:21½; 2:20¾.

## FRIDAY, SEPTEMBER 21, 1888.

### Race No. 12—Running.

Free for all. Running. Purse, three hundred and fifty dollars. Four moneys. Half mile and repeat. Best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Springwater, b. s., by Hubbard | T. B. Lowry | Fresno. |
| Johnny Gray, g. s., by Shiloh | Owen Bros. | Fresno. |
| Jack Brady, b. h., by Wildidle | W. L. Davis | Copperopolis. |
| Lida Ferguson, ch. m., sire unknown | H. Willets | Ione. |
| Kildare, s. g., sire unknown | T. G. Jones | Santa Rosa. |
| Susie S, b. m., by Wood | L. E. Sturgill | Ione. |
| Adam, c. g., by Reveille | B. P. Hill | San Diego. |
| Gladstone, s. g., by Reveille | B. P. Hill | San Diego. |
| Sleepy Dick, ch., sire unknown | F. Starkey | Clements. |

SUMMARY.

| | | | |
|---|---|---|---|
| Lida Ferguson | 2 | 1 | 1 |
| Sleepy Dick | 1 | 3 | 2 |
| Johnny Gray | 4 | 2 | r.o. |
| Springwater | 3 | dis. | |

*Time*—0:49; 0:50; 0:54.

---

### Race No. 13—Trotting.

Free for all. Trotting. Purse, one thousand two hundred dollars. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Arab, b. g., by Arthurton | O. A. Hickok | San Francisco. |
| Lot Slocum, b. g., by Electioneer | A. Gonzales | San Francisco. |
| Adair, b. g., sire unknown | J. A. Dustin | Oakland. |
| Stamboul, b. h., by Sultan | L. J. Rose | Los Angeles. |
| Director, blk. h., by Dictator | Pleasant'n Stock Farm | Pleasanton. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Arab | 1 | 2 | 1 | 1 |
| Stamboul | 2 | 1 | 2 | 2 |
| Lot Slocum | 3 | 3 | dr. | |

*Time*—2:16; 2:15¾; 2:17½; 2:22½.

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### Race No. 14—Trotting.

For Pacific Coast horses. 2:22 Class. Purse, one thousand two hundred dollars. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Tempest, b. m., by Hawthorne | L. U. Shippee | Stockton. |
| Mamie Comet, s. m., by Nutwood | J. A. Goldsmith | Oakland. |
| Gus Wilkes, b. g., by Mambrino Wilkes | J. A. Dustin | Oakland. |
| Thapsin, b. g., by Berlin | W. F. Smith | Sacramento. |
| Alcazar, b. c., by Sultan | L. J. Rose | Los Angeles. |
| Gertrude Russell, b. f., by Electioneer | Palo Alto Stock Farm | San Francisco. |
| Alfred S, b. s., by Norah Marshall | H. W. Seale | Mayfield. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Tempest | 1 | 2 | 2 | 1 | 1 |
| Gus Wilkes | 4 | 1 | 1 | 2 | 2 |
| Thapsin | 2 | 4 | 4 | 3 | 3 |
| Alcazar | 3 | 3 | 3 | 4 | 4 |

*Time*—2:20½; 2:22; 2:23; 2:24½; 2:19.

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## SATURDAY, SEPTEMBER 22, 1888.

### Race No. 15—Trotting.

For Pacific Coast three-year olds. Stake, seventy-five dollars. Four moneys. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Direct, b. c., by Director | Pleasant'n Stock Farm | Pleasanton. |
| Little Black Jug, b. c., by Director | Pleasant'n Stock Farm | Pleasanton. |
| Strathway, c. c., by Steinway | Westwood Stock Farm | Visalia. |
| Minot, b. g., by Bay Rose | E. Giddings | San Rafael. |
| Sister, b. g., by Sidney | J. A. Goldsmith | Oakland. |
| Moses S, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Ida M, b. f., by Hawthorne | L. U. Shippee | Stockton. |
| Ben Davis, ch. g., by Great Tom | B. C. Holly | Vallejo. |
| Mehushta, b. f., by Stamboul | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | |
|---|---|---|---|
| Direct | 1 | 1 | 1 |
| Moses S | 2 | 2 | 3 |
| Ben Davis | 3 | 3 | 2 |

*Time*—2:28¾; 2:29; 2:30.

---

### Race No. 16—Running.

Pacific Coast running. Three-year olds. Seventy-five dollar stake. Two hundred and fifty dollars added. Four moneys. Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Serpolette, s. f., by Norfolk | Owen Bros. | Fresno. |
| Corona, b. f., by Norfolk | Owen Bros. | Fresno. |
| Sid, b. c., by Sidarthur | B. C. Holly | Vallejo. |
| Hermese, b. h., by Bayswater | L. A. Blasingame | Fresno. |

Walkover for Serpolette.

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### Race No. 17—Trotting.

Pacific Coast trotting. Two-year olds. Seventy-five dollar stake. Two hundred and fifty dollars added. Four moneys. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Margaret S, b. f., by Director | Pleasant'n Stock Farm | Pleasanton. |
| Edwin G, s. g., by Sidney | E. Giddings | San Rafael. |
| Skipperway, b. f., by Conductor | J. E. Durham | Concord. |
| General Logan, b. c., by Alex Button | Hoppin Bros. | Yolo. |
| Kilrain, b. c., by Hawthorne | L. U. Shippee | Stockton. |
| Motion, b. c., by Electioneer | L. U. Shippee | Stockton. |
| Secretary, blk. c., by Director | D. S. Frasier | Pleasanton. |
| Visola, b. f., by Stamboul | L. J. Rose | Los Angeles. |
| Lady Washington, s. f., by Ross S | R. C. Sargent | Lodi. |

SUMMARY.

| | | | |
|---|---|---|---|
| Visola | 2 | 1 | 1 |
| Margaret S | 1 | 2 | 2 |

*Time*—2:34½; 2:29½; 2:32¾.

---

RACE NO. 19—TROTTING.

Pacific Coast trotting. 2:27 Class. Purse, one thousand dollars. Four moneys. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Barbaro, g. s., by Len Rose | Owen Bros. | Fresno. |
| Fallis, b. s., by Electioneer | F. P. Lowell | Sacramento. |
| Ha Ha, b. s., by Nephew | Houser & Soule | Stockton. |
| Emma Temple, b. m., by Jack Temple | H. H. Helman | Visalia. |
| Ed, b. g., by Irwin Davis | A. T. Jackson | Stockton. |
| Rosa Mc, b. m., by Alex Button | G. W. Woodard | Yolo. |
| Elector, b. h., by Electioneer | O. A. Hickok | Oakland. |
| Bonanza, s. s., by Arthurton | R. Havey | San Mateo. |
| Ben Ali, b. g., by G. M. Patchen | J. A. Goldsmith | Oakland. |
| Artist, b. g., by Gold Dust | J. R. Hodson | Sacramento. |
| Judge, b. g. | J. Dustian | Oakland. |
| Express, b. g., by Electioneer | Palo Alto Stock Farm | San Francisco. |
| Franklin, b. g., by General Reno | C. Davis | San Francisco. |

SUMMARY.

| | | | |
|---|---|---|---|
| Franklin | 1 | 1 | 1 |
| Rosa Mc | 2 | 2 | 2 |
| Ha Ha | 3 | 3 | 3 |
| Ed | 4 | 4 | 4 |
| Barbaro | 5 | dis. | |

*Time*—2:22½; 2:21; 2:20½.

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## TUESDAY, SEPTEMBER 18, 1888.

RACE NO. 20—SPECIAL TROTTING.

Premium, Noye's trotting cart given by H. C. Shaw Plow Company. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Old Mack, b. h., by John Miller | C. A. Stowe | Stockton. |
| Roscoe Conkling, b. h., by Ben Allen | G. M. Sampson | Stockton. |
| Bess, b. m., by Reliance | A. W. Robinson | Stockton. |
| Tommy, blk. h. | H. Gregg | Stockton. |
| Hurrah, b. m. | J. W. Dougherty | Stockton. |
| Minnie F, b. m. | A. C. Glenn | Stockton. |
| Cleo, br. m., by Nephew | J. S. Durham | Stockton. |
| Sailor, br. h., by Chieftain | C. E. Thompson | Stockton. |
| Prince, b. h., by Pryam | C. L. Ortman | Stockton. |
| Paul Shirley, b. h., by Nephew | G. W. Trahern | Stockton. |
| Dixie, buckskin | Percy Williams | Stockton. |
| Catherine, b. m., by Peerless | P. T. Brown | Stockton. |
| Lady Washington, c. c., by Nephew | R. C. Sargent | Stockton. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Sailor | 2 | 1 | 1 | 1 |
| Bess | 1 | 2 | 3 | 2 |
| Cleo | 3 | 3 | 2 | |
| Prince | 4 | 5 | 3 | |
| Catherine | 5 | 4 | 4 | |

Balance of horses trotted, but were not placed.

*Time*—2:52½; 2:47; 2:45; 2:48¾.

---

RACE NO. 21—TROTTING.

Special trotting. Purse, two hundred and fifty dollars. Four moneys. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Cal Lambert, b. h., by Ben Franklin | L. U. Shippee | Stockton. |
| Ed, b. g., by Irwin Davis | A. T. Jackson | Stockton. |
| Ha Ha, b. s., by Nephew | W. Houser | Stockton. |
| Ben Ali, b. g., by G. M. Patchen | Dick Havey | San Francisco. |

SUMMARY.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ben Ali | 2 | 1 | 2 | 0 | 2 | 1 | 1 |
| Ha Ha | 3 | 2 | 1 | 0 | 1 | 2 | 2 |
| Ed | 4 | 4 | 3 | 2 | 3 | r. o. | |
| Cal Lambert | 1 | 3 | 4 | dr. | | | |

*Time*—2:30½; 2:28¼; 2:29¼; 2:31; 2:31; 2:30¾; 2:36.

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WEDNESDAY, SEPTEMBER 19, 1888.

RACE NO. 22—RUNNING.

Special running. Purse, one hundred and fifty dollars. Two moneys; two thirds and one third. Three-quarter mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered | Address. |
|---|---|---|
| Elwood, c. g., by Norfolk | Maltese Villa Stables | Merced. |
| Kildare, s. g., pedigree unknown | T. Jones | Santa Rosa. |
| Johnny Gray, g. s., by Shiloh | Owen Bros. | Fresno. |

SUMMARY.

| | | | |
|---|---|---|---|
| Elwood | 2 | 1 | 1 |
| Johnny Gray | 1 | 2 | 2 |
| Kildare | 3 | 3 | r. o. |

*Time*—1:16; 1:16; 1:18.

THURSDAY, SEPTEMBER 20, 1888.

RACE No. 23—TROTTING.

Mambrino Wilkes' Colt Stake. Stake, fifty dollars each; two hundred dollars added by Irvin Ayres, owner of Mambrino Wilkes. Four moneys.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Mack, b. g. | D. Young | Stockton. |
| John W, b. c. | J. P. Waterman | Stockton. |
| Black Diamond | G. Mosher | Stockton. |
| Wilkie Wilkes | A. T. Jackson | Stockton. |
| Gussie Wilkes | H. J. Morgan | Stockton. |
| Pedro | T. Shaw | Stockton. |
| Jennie Wilkes | W. H. Post | Stockton. |

SUMMARY.

| | | | |
|---|---|---|---|
| Jennie Wilkes | 1 | 1 | 1 |
| John W | 2 | 2 | 2 |
| Pedro | 3 | dis. | |
| Black Diamond | 4 | dis. | |
| Wilkie Wilkes | 5 | dis. | |

*Time*—3:06; 3:06½; 3:03.

SATURDAY, SEPTEMBER 22, 1888.

RACE No. 24—PACING.

Special pacing. Purse, seven hundred dollars. Three moneys. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Yolo Maid, by Alex Button | C. R. Hoppin | Yolo. |
| Goldleaf, c. f., by Sidney | Pleasant n Stock Farm | Pleasanton. |
| Almont Patchen | W. M. Billups | Colusa. |

SUMMARY.

| | | | |
|---|---|---|---|
| Yolo Maid | 1 | 1 | 1 |
| Almont Patchen | 3 | 2 | 2 |
| Goldleaf | 2 | 3 | 3 |

*Time*—2:16½; 2:16½; 2:18.

# REPORT OF RACES.

[From the "Breeder and Sportsman."]

The twenty-eighth fair and racing season under the auspices of the San Joaquin Valley Agricultural Society, District No. 2, began on Tuesday, and will continue through the week. The fact that a large proportion of the exhibits had to be brought from Sacramento, where they have been on show at the State Fair, militated against such a complete and satisfactory arrangement either of the industrial or live stock portions of the fair as could have been desired. The pavilion on Tuesday was still in great confusion, and the noise of carpentering, together with paucity of exhibits, kept all but a few enthusiastic sightseers away. At the race track things were better ordered, but even there a little more energy might have accomplished several desired ends. The fence in front of the grand stand has hitherto stood too near the stand, and it was resolved, for the convenience of betters and others who fancy being near the pool boxes, to move it, even though the width of the track was thereby decreased ten feet. The fence was in process of removal during Tuesday afternoon, much to the discomfort of spectators. The stabling and sheds were all put in fit condition in ample time, and the horsemen without exception spoke favorably of Secretary La Rue's attention to details in that line. The track was pronounced first rate by Mr. Salisbury and other experts—being firm, fast, and not hard. The races were announced to begin at one o'clock on Tuesday, but at that hour only a sprinkling of people, principally attachés either of the track or betting stand, were scattered about the grand pavilion.

A new pavilion has been erected this season, and a more airy and comfortable structure of the kind we do not recall. It is set at such an angle with the track as to enable all to see every part of a race without leaving their seats, like the grand stand at Washington Park, Chicago. A new judges' stand also adds to the tout ensemble. A fair criticism upon the fair management is, that in making provision for the comfort and convenience of others they have forgotten to provide adequately for newspaper men, upon whom in a great measure depends the success of fairs. A roomy, sheltered portion of the judges' stand should be fitted with tables and chairs and reserved exclusively for the quill drivers. It would not be asking too much to request, in addition, that an official statement as to all conditions of each race, starters, owners, colors, breeding, etc., be sent by the Clerk of the Course to the reporters before each race.

## FIRST DAY.

The weather on Tuesday was perfect, the day being cool and a little breezy. The first race was called at 1:45, by which hour the number of spectators had much increased.

The officers of the day were: Judges—Dr. Latham, Hon. Chris. Green, and Senator B. F. Langford; Timers—Messrs. H. J. Agnew, F. P. Lowell, and C. A. Durfee; Clerk, Fred. Arnold, all of whom stayed at their posts through the long afternoon without remission.

The first race was a two-year old stake, running, at one mile, open to the Pacific Coast, which closed with seven entries, of which but one (Mr. L. U. Shippee's sorrel filly Agnes B), was started. The filly cantered over the course in 2:32, ridden by "Shrimp." A curious thing about Agnes B was that neither her owner, the Clerk, nor any one else knew her breeding, most opinions being that she was by Glenelg.

SUMMARY.

SEPTEMBER 18, 1888.—Running—Pacific Coast two-year old stake. One mile.

L. U. Shippee's Agnes B ..... w. o.

The second race was a well contested event, a four-year old trotting stake, open to the district, in which three of the eight entries appeared. Of the starters Steve Whipple had much the best of condition, the others (Leck and Moses S) being a bit high in flesh.

In the first heat, after much scoring, the horses were tapped from a fairly good score, Leck being two lengths behind, Moses S having the pole, Leck next, and Steve Whipple the outside. Whipple opened a lead to the quarter in 0:37½, and held it to the half in 1:13¼, Moses S then pushing for a place, but being squarely outtrotted by Whipple, who went the three quarters in 1:51½, and won the heat out in 2:27¼, Moses S three lengths second, Leck shut out. Pools: Steve Whipple $25, field $6.

At the first scoring of the second heat Moses S a length to the good, led to the quarter in 0:37½, then lapped by Whipple, and beaten to the half in 1:14½. At three quarters, in 1:52½, Moses was four lengths behind, and when Whipple, under a pull, jogged under the wire in 2:29, Moses had not bettered his place.

No pools were sold on the heat. For the third heat interest could not be excited, Whipple being so patently the better horse. He led easily, doing the quarter in 0:36½; the half in 1:13; three quarters in 1:52¼, and jogging under the wire in 2:32.

SUMMARY.

SEPTEMBER 18, 1888.—Trotting. District. Four-year old stake.

| | | | |
|---|---|---|---|
| Mr. Needham's Steve Whipple, by Chrisman's Hambletonian-Twist—W. H. Parker | 1 | 1 | 1 |
| L. U. Shippee's Moses S, by Hawthorne; dam, by Black Hawk—Whitlng | 2 | 2 | 2 |
| H. Nicewonger's Leck, by Elector-Amanda—Jackson | dis. | | |

*Time*—2:27¼; 2:29; 2:32.

Pools: Whipple, $25; field, $6.

The third race regularly on the card was for a three-minute class, but as it did not fill the Directors offered a special purse of $250, trotting, for California Lambert, Ha Ha, Ed, and Ben Ali. The race was most unsatisfactory, as Ben Ali was evidently the better horse; but the race was prolonged through five heats without a decision until the famous John Goldsmith got up behind Ben Ali, when that horse took the two succeeding heats right off the reel, as he might have taken the preceding ones if he had had a driver. To charge irregularity without reasonable proofs would be unjust, but it may be said that a dozen or more men, familiar with trotting and the horses under mention, coincided in thinking that the race in the five earlier heats was not what it should have been. At one time Ben Ali sold choice for $30, field $5. That heat was taken by Ha Ha, and considerable money taken down.

In the first heat Lambert and Ben Ali fought all the way around, doing the quarters in 0:37¾, 1:14, 1.51½, and 2:30½, the former winning by a head. Pools: Ben Ali $80, Ha Ha $6, field $17 50.

The second heat was in better time—0:36¾, 1:12¼, 1:52½, and 2:28¼. The pools in the third heat sold: Ben Ali $30, field $5. Ben Ali led easily to the quarter in 0:38, Ed then crowding into the lead to the half in 1:14¼. Along the backstretch Ha Ha and Ed were sent for the heat, the former having a shade the best of it, and so into the straight, Ha Ha getting the whip sharply and taking the heat in 2:29¼. Ben Ali lost his feet in the last seventy yards, but was adjudged second, Ed being third, and California Lambert a bad fourth. The latter was withdrawn for lameness. The fourth was pronounced a dead heat, Ben Ali and Ha Ha finishing together in 2:31.

In the fifth Ed showed the way to the quarter in 0:38¾, Ben Ali breaking badly from the wire. The latter settled, however, and at the half (in 1:14¾) had the road, and held it to the third quarter, opening a lead of five lengths, Ha Ha apparently being done. Down the stretch Ha Ha recovered, and, trotting fast, caught Ben Ali and won the heat by a length in 2:31, Ben Ali not being extended. For the sixth heat John Goldsmith sat behind Ben Ali and drove the horse out regularly, the time at the quarters being 0:37¾, 1:14, 1:52½, and for the mile 2:30¾. Ha Ha went into the air on the backstretch and lost ten lengths.

The seventh was a repetition of the preceding, Goldsmith driving his horse and winning the heat and race in 2:36.

SUMMARY.

SEPTEMBER 18, 1888.—Trotting. Special purse, $250.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| J. A. Goldsmith's b. g. Ben Ali, by G. M. Patchen; dam, by Sportsman | 2 | 1 | 2 | 0 | 2 | 1 | 1 |
| Houser & Soule's b. h. Ha Ha, by Nephew; dam, by Blackhawk—Houser | 3 | 2 | 1 | 0 | 1 | 2 | 2 |
| A. T. Jackson's b. g. Ed, by Irwin Davis | 4 | 4 | 3 | 2 | 3 | 2 | dr. |
| J. H. Whing's b. h. California Lambert, by Ben Franklin; dam, by Lambert | 1 | 3 | 4 | dr. | | | |

*Time*—2:30½; 2:28¼; 2:29¼; 2:31; 2:31; 2:30¾; 2:36.

Betting—Auction pools: Ben Ali, $25; field, $14.

The last race of the day was for roadsters, gentlemen owners to drive. Eleven of the thirteen entries appeared, and the varieties of road carts, together with the unprofessional appearance of the owners, created much amusement, Director R. C. Sargent and G. W. Trahern being the especial marks for the witticisms of the judges and spectators. The driving was creditable and the horses of more than average merit, even if one interested spectator did remark, as he looked up the stretch and saw the motley flyers come pounding along at about a two-forty gait, "Be gob, I see 'em, and they'll be here inside of five minutes." The race was for a cart presented by the H. C. Shaw Plow Works.

In the first heat Mr. A. W. Robinson's Bess won, Mr. C. E. Thompson's Sailor second, Mr. J. S. Dunham's Cleo third, Mr. G. W. Sampson's Roscoe Conkling fourth, Mr. Percy Williams' Dixie fifth, and the rest all along the road. Time, 2:52½. The next heat brought Sailor in first, Bess next, Cleo third, Mr. C. L. Ortman's Prince fourth, and Mr. P. T. Brown's Catherine fifth. Time, 2:47. Sailor also took the third heat in 2:45, the others placed being Cleo, Bess, Catherine, and Prince, in the order mentioned. The fourth heat also went to pacing Sailor, in 2:48¾.

SUMMARY.

SEPTEMBER 18, 1888.—Gentlemen's roadsters, owners to drive.

| | | | | |
|---|---|---|---|---|
| C. E. Thompson's Sailor | 2 | 1 | 1 | 1 |
| A. W. Robinson's Bess | 1 | 2 | 3 | 3 |
| J. D. Dunham's Cleo | 3 | 3 | 2 | 4 |
| G. W. Sampson's Roscoe Conkling | 4 | 0 | 0 | 0 |
| Percy Williams' Dixie | 5 | 0 | 0 | 0 |
| P. T. Brown's Catherine | 6 | 5 | 4 | 0 |
| G. W. Trahern's Paul Shirley | 0 | 0 | 0 | 0 |
| A. C. Glenn's Minnie | 0 | 0 | 0 | 0 |
| C. L. Ortman's Prince | 0 | 4 | 5 | 0 |
| R. C. Sargent's Lady Washington | 0 | 0 | 0 | 0 |
| J. W. Dougherty's Hurrah | 0 | 0 | 0 | 0 |

## SECOND DAY.

Wednesday dawned fair and with promise of warmer weather than on Tuesday. The pavilion attracted few persons, because the exhibits were not catalogued and arranged. The city was astir at 6 A. M., the visitors evidently desiring to get that for which they had come to town. Fakirs of twenty sorts, each, if possible, more barefaced than the other, offered the rustic capitalist an opportunity to gain largely from a small investment. During the day the "sure thing" men pined, but they harvested large piles of silver in the evening.

The chief interest as usual centered in the racing, and the main receipts of the society were from the gate, through which the choicest of the culture and beauty of Stockton passed between noon and one o'clock. Light colored and evidently light drapery contributed to make elegant equipages noticeable, and if it is written that nowhere in favored California can so much general beauty of classical severity be found, the writing will not be an overestimate. The course was reasonably well occupied by one o'clock, the advertised starting time.

The officers elected to perform the tiresome duties of the day were: Judges, Hon. Chris Green, Hon. L. U. Shippee, Senator B. F. Langford; timers, H. J. Agnew, O. A. Hickok.

The first race, a mile dash, brought six excellent horses to the start. Free for all; purse $400.

Heliotrope was a strong favorite, selling for $20 to $6 for the field. On the third try, starter Billy Donathan sent the half dozen off fairly, Heliotrope, pole, leading to the quarter in 0:26. Then Applause took up the running, and with Nancy was pushed through the backstretch and to the three quarters at a flying rate, too high to be sustained. In the homestretch Heliotrope raced into command, and finished an easy winner of the race in 1:43¾, Welcome, Oro, Applause, Nancy, and Boy Bolton finishing as named. The time at the quarters was 0:26, 0:51, and 1:19.

SUMMARY.

SEPTEMBER 19, 1888.—Running, mile dash, free for all; Jim Duffy purse, $400.

| | |
|---|---|
| Mrs. S. B. Wolfskill's b. m. Heliotrope, by Joe Hooker-Yolone—Hazlett | 1 |
| Dan Hennessey's b. m. Welcome, by Warwick-Aeola—Cook | 2 |
| Owen Bros. r. h. Oro, by Norfolk-Golden Gate—Howson | 3 |
| T. G. Jones' b. g. Applause, by Three Cheers-Alice M. Rider—Spooner | 4 |
| B. C. Holly's ch. f. Nancy, by Jim Brown-Mamie Hubbard—Nole | 5 |
| L. A. Lacey's b. c. Bay Bolton, by Wildidle-Maggie Early—Night | 6 |

*Time*—1:43¾.

Pools: Heliotrope, $20; field, $6.

The second race, a district trot for three-year olds, was a "one-horse" race, Moses S winning in a go-as-you-please fashion. Two started. Grace Vernon might have been started in an opposite direction, if it was intended that she should pass Moses. The first heat was done in 0:29, 1:17, 2:03, and won by Moses in 2:50, Grace only saving distance because Whiting pulled his horse almost into a walk. The second heat, in 2:50, was like the first. The third was even more pronounced in favor of Moses S. Grace Vernon went into the air at the quarter and galloped to near the head of the stretch, Moses trotting squarely. Moses was again pulled down to the merest jog to save Grace from being shut out, the heat being done in 2:55¼.

SUMMARY.

SEPTEMBER 19, 1888.—District trotting; for three-year olds.

| | | | |
|---|---|---|---|
| L. U. Shippee's b. h. Moses S, by Hawthorne; dam, by Black Hawk—Whiting | 1 | 1 | 1 |
| G. W. Fox's br. f. Grace Vernon, by Mt. Vernon—McDowell | 2 | 2 | 2 |

*Time*—2:50; 2:50; 2:55¼.

The third event of the afternoon, a special three-quarters and repeat, for $150, with Kildare, Elwood, and Johnny Gray in, was quite as interesting as either of the others. Old Johnny Gray, looking fine drawn and imperturbable as ever, raced out the first heat in 1:16, winning by two lengths easily, Elwood, always erratic, showing a fondness for green fields by bolting to the fences at short intervals, but finishing second.

When the riders had mounted for the second heat, Mr. Shippee called them to the stand, and said: "Gentlemen, you are all old riders, and know the rules much better than I do. The people now here have paid their money to see good races, and they *shall* have them. If you do not ride those horses for all there is in them, you will be punished in such a way that you will remember it the balance of your lives." The horses were then sent from an excellent start, Elwood being ridden by Cooke from start to finish with excellent judgment, and showing the way throughout. Johnny Gray made a brilliant play for the honors, but lacked the pace, finishing second by a length, Kildare a bad third. Time, 1:16. The third heat was noticeable as showing the judgment and skill of Elwood's rider, Cooke. The horse acted badly and delayed the start, but finally got away on even terms with Johnny Gray, Kildare being retired under the rules. At the half Elwood led by a length in 0:25½, and ran easily to the three-quarters, when he tried to bolt, but Cooke took him in hand, and using whip and spur vigorously, kept him moving to the wire, winning by a length only in 1:18. Cooke was loudly applauded, as he deserved to be.

SUMMARY.

SEPTEMBER 19, 1888.—Special; running; purse, $150. Three-quarters and repeat.

| | | | |
|---|---|---|---|
| Elwood, s. g., by Norfolk-Ballinette—Cooke | 2 | 1 | 1 |
| Owen Bros. g. h. Johnny Gray, by Shiloh-Margery—Howson | 1 | 2 | 2 |
| T. G. Jones' s. g. Kildare, by imp. Kyrle Daly-Mistake—Hazlett | 3 | 3 | dr. |

*Time*—1:16; 1:16; 1:18.

Pools: Elwood, $24; Kildare, $17; Johnny Gray, $10.

Trotting, open to the district, two in three, for two-year olds, brought out two likely colts in Kilrain and J R, both sizable and of high form. Kilrain, although moving stiffly, was made favorite in the betting for a few moments, but J R was soon given the commanding place, selling for $150 to $20, and again for $100 to $8. J R had it all his own way, taking two heats without being pushed, the first in 2:33⅘, and the second in 2:41. In the latter Kilrain barely saved distance, Dustin slowing J R to a walk.

SUMMARY.

SEPTEMBER 19, 1888.—Trotting; district; best two in three; two-year old stake.

| | | |
|---|---|---|
| W. Murray's br. c. J R, by Richard's Elector, he by Electioneer, dam by Meese's St. Lawrence, Jr.—Dustin | 1 | 1 |
| L. U. Shippee's b. c. Kilrain, by Hawthorne-March First—Whiting | 2 | 2 |

*Time*—2:33¼; 2:41.

## THIRD DAY.

The attendance on Thursday was noticeably better than on the two preceding days, but yet by no means so great as the excellence of the programme offered should have attracted. Four races were listed, in each of which the betting was rather light, there being a pronounced favorite in every one of the events. The track had been placed in good condition, and the sport began promptly.

Trotting, for the 2:35 class; had three starters in the first heat. Ben Ali, the favorite, trotted at Sonnet's wheel to the three quarters, she having the pole, and doing the quarter in 0:37½, the half in 1:13. When straightened into the stretch, Ben Ali was given his head, and won easily in 2:25½, Perihelion being distanced. Pools: Ben Ali $60, Sonnet $14, before the second heat, in which Ben Ali led all the way, and won in a jog, the quarter being 0:36, the half 1:11, the mile 2:26½.

In the third heat Ben Ali was off his feet from the quarter, and could not be settled until the last turn was reached, when Sonnet was eight lengths to the good. Thence into the wire Ben Ali trotted fast, Sonnet winning the heat by three lengths. Time—0:36; 1:11½; 2:24½.

The fourth heat was a jog for Ben Ali, Sonnet breaking and losing six lengths to the quarter, saving distance only because Ben Ali was pulled down to a jog. Time—0:35⅓; 1:11½; mile 2:30½.

SUMMARY.

SEPTEMBER 20, 1888.—Trotting; Pacific Coast; 2:35 class; purse, $1,000.

| | | | | |
|---|---|---|---|---|
| J. A. Goldsmith's b. g. Ben Ali, by G. M. Patchen; dam by Sportsman—Goldsmith | 1 | 1 | 2 | 1 |
| Palo Alto's b. m. Sonnet, by Bentonian-Sontag Dixie—Dustin | 2 | 2 | 1 | 2 |
| W. S. Ray's b. h. Perihelion, by Admiral-Flora, by Black Prince—Donathan | dis. | | | |

*Time*—2:25½; 2:26½; 2:24½; 2:30½.

Pools: Ben Ali, $50; Sonnet, $40; Perihelion, $6.

For the 2:27 pacing class there were four horses listed. Goldleaf had the call in the pools before the start, and ran even higher after the first heat, no pools being sold thereafter. Goldleaf took three heats and the race with ease, never being extended, the time being 2:21, 2:22½, 2:20½. In the second heat Little Hope was distanced, second money going to Ned Winslow, and third to San Diego.

SUMMARY.

SEPTEMBER 20, 1888.—Pacing; Pacific Coast; 2:27 class; purse, $500.

| | | | |
|---|---|---|---|
| Pleasanton Stock Farm's ch. f. Goldleaf, by Sidney-Fernleaf—McDowell | 1 | 1 | 1 |
| L. G. McCord's b. g. Ned Winslow, by Tom Benton; dam by Dave Hill, Jr.—McCord | 2 | 2 | 3 |
| H. C. Airhart's b. g. San Diego, by Victor; dam thoroughbred—Welch | 3 | 3 | 2 |
| W. B. Bradbury's ch. g. Little Hope, by Tempest, Jr.. Willow Blue Bull—Dustin | dis. | | |

*Time*—2:21; 2:21½; 2:20½.

Pools: Goldleaf, $40; San Diego, $10; field, $7.

The four-year old stake had but two starters; Steve Whipple a strong favorite over Dubec. The favorite, as in the preceding race, had everything his own way, never being hard pushed, although Dubec held his position throughout each heat from the quarter to the wire, and seemed to have a bit in reserve. In the third heat Steve Whipple broke from the start, and went half way to the quarter without recovering, Dubec opening a gap of twenty lengths. Whipple then settled and overhauled his handsome competitor, and when at the distance flag Dubec lost his feet and the heat, Whipple winning by two lengths in 2:28.

SUMMARY.

SEPTEMBER 20, 1888.—Trotting. Four-year old stake.

| | | | |
|---|---|---|---|
| C. Needham's b. s. Steve Whipple, by Chrisman's Hambletonian-Twist—Parker | 1 | 1 | 1 |
| L. J. Rose's b. g. Dubec, by Sultan-Lady Day—Maben | 2 | 2 | 2 |

*Time*—2:26; 2:23; 2:28.

Pools: Steve Whipple, $40; Dubec, $13.

The Mambrino Wilkes stake; entrance $75, with $200 more added by Colonel Irvin Ayers, owner of the stallion. For produce of Mambrino Wilkes. This brought five handsome three-year olds to the score. The race was taken in three straight heats by Jennie Wilkes, a bay filly of fine size, form, and action. John W, a bay colt, was second in each heat, and will train on. Black Diamond persisted in galloping through the first heat.

SUMMARY.

SEPTEMBER 20, 1888.—Trotting. Mambrino Wilkes stake; $75 entrance, $200 added by Colonel Ayers; three-year old produce of Mambrino Wilkes; four moneys, 50, 25, 15, and 10 per cent.

| | | | |
|---|---|---|---|
| W. H. Post's b. f. Jennie Wilkes, by Mambrino Wilkes—Jordan | 1 | 1 | 1 |
| J. P. Waterman's b. c. John W, by Mambrino Wilkes; dam, Guernsey mare—Hamilton | 2 | 2 | 2 |
| T. Shaw's br. c. Pedro, by Mambrino Wilkes—Parker | 3 | dis. | |
| G. Mosher's blk. g. Black Diamond, by Mambrino Wilkes—Knier | 4 | dis. | |
| A. T. Jackson's b. g. Wilkie Wilkes, by Mambrino Wilkes—Jackson | 5 | dis. | |

*Time*—3:06; 3:06½; 3:03.

## FOURTH DAY.

Friday was the great day of the fair in point of attendance. The business houses and public schools were closed, and especial efforts made to induce general interest, with flattering success.

The vehicles present were tallied as they left the grounds, and eleven hundred and three were counted. Presuming that three persons came in each, and estimating the crowd fairly, eight thousand would not be too high a figure.

Both stands were crowded, the stretch was filled, and the paddock was sprinkled with people. The day was warmer than Thursday, but yet not uncomfortable, and the racing began promptly. The sport was good throughout the afternoon, the leading interest, of course, being the free-for-all trot in which Stamboul, Arab, and Lot Slocum met. Many prominent horsemen visited Stockton especially to see that race, and they were rewarded by a contest as exciting as any previous meeting of the great trotters.

The first race of Friday was a half mile and repeat, with four entries. The starter had much annoyance in getting the horses off, and after the first heat it was apparent that jobbery of some sort was being attempted. Lida Ferguson was strong in the pools, but was plainly pulled and the heat

taken by Sleepy Dick in 0:49. The pools were: Lida, $25; Sleepy Dick, $14; field, $6.

In the second heat the rider of Lida Ferguson pulled the mare into the fence soon after the start and stopped her, Johnny Gray reaching the wire first in 0:49½. The attempt to throw the race was so patent that the judges displaced Barton and Leonard, putting Hazlett on Sleepy Dick in place of the former, and Cook on Lida Ferguson. The heat was declared "no heat," and Caleb Leonard, the rider of Lida Ferguson, was suspended for one year.

When sent off for the next heat under the new riders, Lida Ferguson had it all her own way, and won in 50 seconds. Johnny Gray and Springwater were then sent to the stables, and Lida Ferguson and Sleepy Dick sent for the last heat; the former winning in 54 seconds easily.

SUMMARY.

SEPTEMBER 21, 1888.—Running. Half mile and repeat.

| | | | | |
|---|---|---|---|---|
| Willitt's ch. m. Lida Ferguson—Cook | 2 | 0 | 1 | 1 |
| Starkey's ch. g. Sleepy Dick—Hazlett | 1 | 0 | 3 | 2 |
| Owen Brothers' g. g. Johnny Gray, by Shiloh-Margary—Howson | 4 | 0 | 2 | r.o. |
| Lowry's blk. h. Springwater | 3 | 0 | 4 | r.o. |

*Time*—0:49; 0:49½; 0:50; 0:54.

The great event of the day and of the fair was the next on the card, a free-for-all trot, with Stamboul, Arab, and Lot Slocum listed. Before the race Arab sold in the betting for $100; field, $30; and again, Arab, $100; Stamboul, $20; Lot Slocum, $7.

The horses were tapped from a good start for the first heat, Stamboul breaking on the turn, and Arab leading to the quarter, in 0:33¾, by eight lengths. To the half Stamboul partly closed the gap, the half being done in 1:07½, but at the three quarters Stamboul again broke and lost several lengths. Maben soon straightened him out, however, and he came down the stretch very fast, finishing at Arab's wheel; the heat being done in 2:16, a quarter of a second better than Arab's best previous time. Before the second heat the pools were: Arab, $100; field, $13. In the second heat Stamboul held his own with Arab to the quarter in 0:33, and the pair went to the half like a span in 1:05, and in the same way to the three quarters. When rounding into the straight Stamboul broke, but soon caught his stride and fairly outtrotted Arab down the stretch, winning by a length in 2:15¾. The crowd cheered wildly, and the betting changed, Arab selling for $55; field, $100. The horses were sent off at the third score for the third heat; Stamboul showing the way to the quarter in 0:33, and the half by two lengths, in 1:05. To the three quarters Stamboul broke, and placed Arab by five lengths at the head of the stretch; but Mr. Rose's grand stallion would not be denied, and came so strongly that at the drawgate he was a length ahead, when Hickok began to drive and got Arab to the wire winner by a head, in 2:17½.

The crowd rushed again to the pool box, and the betting again veered, Arab selling for $100; Stamboul, $50. Lot Slocum withdrawn. The fourth heat was taken by Arab; the gelding leading to the quarter by a length in Arab had things his own way, and thence home jogged easily, taking the 0:35, when Stamboul broke and lost a dozen lengths. At the half in 1:08½, heat and race in 2:22½.

SUMMARY.

SEPTEMBER 21, 1888—Trotting. Free for all.

| | | | | |
|---|---|---|---|---|
| O. A. Hickok's b. g. Arab, by Atherton-dam, Lady Hamilton—Hickok | 1 | 2 | 1 | 1 |
| L. J. Rose's b. s. Stamboul, by Sultan-Fleetwing—Maben | 2 | 1 | 2 | 2 |
| A. Gonzales' b. g. Lot Slocum, by Electioneer-dam, Glencora—Shaner | 3 | 3 | 3 | d. |

*Time*—2:16; 2:15¾; 2:17½; 2:22½.

A trotting race for the 2:22 class started four fast ones—Tempest, Gus Wilkes, Alcazar, and Thapsin. In the pools tempest was sold at $100; field, $30; and the favorite took the first heat in 2:20½ easily.

The second heat was a surprise, being won by Gus Wilkes after a lively brush down the stretch with Tempest. Alcazar seemed out of sorts, and trotted irregularly, although Maben at intervals was able to settle him and get splendid speed from him. In the third heat Dustin and Gus Wilkes coming up behind Hickok and Tempest, locked his wheel in Hickok's. Hickok then cut Gus over the face with his whip, and after the heat Dustin claimed interference. The complaint was disallowed. The heat was hard driven throughout, Tempest and Gus Wilkes finishing closely, the former winning. The time was 0:36¼; 1:11; 2:23.

Tempest took the fourth heat; Gus Wilkes zigzagging badly, despite Dustin's skill. Time—0:35¼; 1:11; 2:24¼; Thapsin showing a good rate of going, and crowding for the heat, and finishing third. It was so near dark after the fourth heat that the judges postponed the final heat until the succeeding day.

## FIFTH DAY.

Saturday was well suited to racing and trotting, being just warm and a slight breeze. The attendance was much less than on Friday, but a goodly number, perhaps four thousand, were present. The unfinished race of the preceding day was called at 12 M. and the horses sent off after repeated scoring. Tempest led from the wire, with Gus Wilkes trailing, and Thapsin shutting Wilkes in. At the three quarters it was Tempest and Gus Wilkes, and a pretty race down the stretch, Tempest getting the whip and being sent for a record, which he got at 2:19, placing another Hawthorne in the 2:20 list, Gus Wilkes second, Thapsin third, Alcazar fourth.

SUMMARY.

SEPTEMBER 22, 1888.—Trotting. 2:22 class.

| | | | | | |
|---|---|---|---|---|---|
| L. U. Shippee's b. m. Tempest, by Hawthorne; dam not traced—Hickok | 1 | 2 | 2 | 1 | 1 |
| J. A. Dustin's b. g. Gus Wilkes, by Mambrino Wilkes-Fancy—Dustin | 4 | 1 | 1 | 2 | 2 |
| E. H. Miller's blk. g. Thapsin, by Berlin-Lady Hubbard—Smith | 2 | 4 | 4 | 3 | 3 |
| L. J. Rose's b. s. Alcazar, by Sultan-Minnehaha—Maben | 3 | 3 | 3 | 4 | 4 |

*Time*—2:20½; 2:23; 2:24¼; 2:19.

Second race, a stake for three-year olds, was won by Direct, the favorite over Moses S and Ben Davis. The first and second heats were very easily won, Direct being slowed to let the others save distance. In the last heat Ben Davis showed some pretensions, and pushed up so strongly that Direct was given the whip to win. The times for the heats were, first, 0:37¼; 1:13¼; 2:28¾; second, 0:35; 1:10; 2:29; third, 0:36¾; 1:14¾; 2:30.

SUMMARY.

SEPTEMBER 22, 1888.—Trotting. Three-year old stake.

| | | | |
|---|---|---|---|
| Pleasanton Stock Farm's blk. c. Direct, by Director-Echora—McDowell | 1 | 1 | 1 |
| L.U. Shippee's b.c. Moses S, by Hawthorne; dam by Cramer's Black Hawk—Whiting | 2 | 2 | 3 |
| B. C. Holly's s. g. Ben Davis—Kenney | 3 | 3 | 2 |

*Time*—2:28½; 2:29; 2:30.

A running race for two-year olds was next on the card, but only Serpolette appeared and galloped a mile to save, ridden by Howson.

Third race, special pacing, with three fast entries—Yolo Maid, Goldleaf, and Almont Patchen—was awaited with high expectations, which were more

than met. The performance of Yolo Maid was phenomenal. By pacing in 2:16½, she sliced 1½ seconds from Goldleaf's three-year old pacing record. She was driven by John Goldsmith, and demonstrated that, beside having a flight of speed, she can stay. The race was the fastest ever won by a three-year old, and Goldsmith is not adverse to matching the Maid against Adonis. She paced her heats out, without a waver, and almost without turning a hair. There is lots of reserve power in her which can not but lower her record in the future. The pools before the race were, Yolo Maid, $100; Almont Patchen, $30; Goldleaf, $10.

In the first heat Goldleaf piloted the string to the half in 1:10, doing the quarter in 0:35½. To the three quarters Yolo Maid took command and drew away down the stretch, winning by two lengths in 2:16½, Goldleaf second. With the pole in the second heat the Maid went to the quarter in 0:35, and half in 1:09½, Almont Patchen pacing strong and holding her almost level. Around the turn positions were the same, but when in the straight Patchen was carried off his feet, and the Maid won easily in 2:16½ as before; Patchen second, and Goldleaf along the road. The third heat from a pretty start was very fast to the half, the horses being bunched, with Yolo Maid perceptibly leading. To the quarter in 0:32¾, and the half in 1:05¼. From the half the Maid left her competitors, Goldleaf breaking on the stretch, and Patchen slowing, and won the heat and race in 2:18, the time which had previously given Goldleaf a world's record; Almont Patchen second; Goldleaf third.

SUMMARY.

SEPTEMBER 22, 1888.—Pacing. Special.

| | | | |
|---|---|---|---|
| C. R. Hoppin's b. f. Yolo Maid, by Alex Button; dam by Dietz's St. Clair—Goldsmith | 1 | 1 | 1 |
| Mr. Billup's b. s. Almont Patchen, by Juanita-Glady—Sullivan | 3 | 2 | 2 |
| Pleasanton Stock Farm's ch. m. Goldleaf, by Sidney-Fernleaf, by Flaxtail—McDowell | 2 | 3 | 3 |

*Time*—2:16½; 2:16½; 2:18.

A $700 purse for the 2:27 class had five starters, which sold in the pools before the race as follows: Rosie Mc, $80; Franklin, $30; field, $12—Ed, Barbaro, and Ha Ha. Considerable delay in scoring made the crowd impatient, but the horses were finally sent off well, Franklin and Rosie Mc fighting to the three-quarters, doing the quarter in 0:36, and the half in 1:10. From the upper turn Franklin was in command and took the heat in 2:21, Rosie Mc second, Ha Ha third, Ed fourth, and Barbaro barely saving distance. Between heats Franklin sold for $150; Rosie Mc, $40; field, $15. The second heat was like the first, the race being between Franklin and Rosie Mc to the head of the stretch, where the gelding drew away, despite the use of the whip on Rosie, and won in 2:22¾, Ha Ha third, Ed fourth, Barbaro distanced.

Before the third heat Franklin sold at $50; field, $12. Again Franklin and Rosa Mc trotted, span-like to the stretch, down which both horses were given the whip, Franklin winning a close heat and the race in 2:20½; quarters, 0:36, 1:10.

SUMMARY.

SEPTEMBER 22, 1888—Trotting. Purse, $700. 2:27 class.

| | | | |
|---|---|---|---|
| Charles Davis' br. g. Franklin, by General Reno; dam, unknown—Donathan | 1 | 1 | 1 |
| G. W. Woodard's b. m. Rosie Mc, by Alex Button; dam, Rosedale—Goldsmith | 2 | 2 | 2 |
| Houser & Soule's br. s. Ha Ha, by Nephew; dam by McCracken's Black Hawk—Soule | 3 | 3 | 3 |
| A. T. Jackson's b. g. Ed, by Irwin Davis—Jackson | 4 | 4 | 4 |
| Owen Bros'. g. s. Barbaro—Wilson | 5 | dis. | |

*Time*—2:22½; 2:21; 2:20½.

The last race of the meeting was a two-year old stake, with two starters, Margaret S and Vesolia. The pools were, Margaret S, $40; Vesolia, $13. Margaret took the first heat with apparent ease, the quarters being 0:37, 1:13, and the mile 2:34½, Vesolia barely saving distance. The second heat was all Margaret's way to the lower turn, she leading to the quarter in 0:37¾, the half in 1:13½. Around the lower turn Vesolia closed the gap, and in the stretch fairly outtrotted the favorite, winning by two lengths in 2:29½. The betting was mixed, Margaret S leading, however. For the third heat a good score was made, and Margaret was driven to the quarter in 0:38½, the half in 1:16½. From the half Vesolia placed herself, and won easily by two lengths in 2:32¾.

SUMMARY.

SEPTEMBER 22, 1888.—Trotting. Two-year old stake.

| | | | |
|---|---|---|---|
| L. J. Rose's b. m. Vesolia, by Stamboul; Inez—Maben | 2 | 1 | 1 |
| Pleasanton Stock Farm's b. m. Margaret S, by Director; May Day—McDowell | 1 | 2 | 2 |

*Time*—2:34½; 2:29½; 2:32¾.

LADY EQUESTRIANS, STOCK AWARDS, PAVILION EXHIBITS, ETC.

On Saturday, between heats of the 2:27 class, trotting, the equestriennes, of whom several had signified a willingness to compete, were invited to the stretch and displayed superb manege. All the ladies present were Stocktonians, and noted in society circles for fondness for equestrian exercise.

Miss Annie Smith had much the better mount, her horse being a free, easy galloper and fencer, which gave her an advantage. She sat well, jumped a hurdle with light hand, and won first.

Second was presented to little Miss Frankie Cewell, petite, of eleven years, who rode without saddle, and deserved high commendation for the grace and firmness shown. Her little black pony was stiff in a shoulder and refused to jump, but went through its paces prettily, and with its sunny faced mistress received loud plaudits.

The third award was handsomely won by Miss Edith Bailey, who might well have taken first if she had been better mounted. Her horse, while a very fine saddle animal, was by no means the equal of Miss Smith's. Miss Bailey was quite at home on the saddle, and when in jumping a bar her horse stumbled, the graceful rider displayed rare skill in retaining her seat and steadying the horse. The riding was an attractive feature of the programme.

PAVILION EXHIBIT.

Despite the strenuous efforts of Secretary La Rue, the pavilion could not be arranged before Thursday morning. Exhibitors were laggard, and many of the displays had to be fetched from Sacramento where they had been in the State Fair. On Thursday, however, everything was in order, and on that evening the exhibition was formally opened by President Shippee. An oration by General N. P. Chipman, of Tehama County, was delivered, in which a resume of the history of the industrial interests of the State during the General's long residence was made. Much statistical information of value was embodied in the address, and the conclusion reached that in agriculture and stock raising the future of California, and particularly of the central belt, promised a prosperity greater than was dreamed of by the Argonauts. General Chipman's peroration was brilliant, and elicited long continued applause, when he said:

I see in my prophetic vision your treeless plains covered with perpetual verdure, great forests of golden fruit, and wide-spreading meadows of emerald grasses; beautiful homes, surrounded with all the comforts of an advanced civilization; churches and schools everywhere; a clean, healthy, moral, happy people, a self-reliant, self-supporting, self-respecting, God-fearing people. I see along your lines of travel and among your homes charmed towns and villages, where all arts of the architect and the landscape gardener have supplemented the cultivated taste of the people, to show that these heaven-sent gifts are worthily bestowed. I see this aspiring and ambitious City of Stockton, where your products are now gathered, and where we are now assembled, a large and prosperous center of trade, holding to our metropolis the relation that the City of Philadelphia holds to the metropolis of the East. A million people in that future that rises before me will enjoy this fair land of yours, and claim it as their heritage. You and I, Mr. President, may not see this in the flesh, but the boy and girl are before me who will witness this crowning glory of this heaven-blessed land, now all our own.

The new pavilion erected by the society during the past year, at a cost of $45,000, is commodious and an ornament to the city. It is in the form of a Greek cross, and affords much more room than was found necessary for the last show. One arm of the cross in the gallery has been finished with a floor suitable for dancing, and that portion of the building contained most of the spectators in the evenings, attracted by the music and the lovely faces and brilliant costumes of Stockton's multi-fairest, by far the most interesting portion of the show. To those unfortunates, less susceptible to the moving power of rarest beauty, attractions in the way of wagons, agricultural implements, fruits, cereals, and all the lesser items which go to make up the agricultural show, were offered. The display of vehicles was excellent, both in variety and quality. The best part of the wheeled exhibits were the carriages, Stockton being especially distinguished for the number of fine private equipages owned by its citizens and used on the good driving streets during the soft evenings almost throughout the year. The showing of fruits demonstrated that San Joaquin County can produce as fine grapes and citrus fruits as any other part of the State. Considerable unirrigated fruit was shown, which in size compared favorably with that to which water was applied, while in color and firmness it was better. The showing of handiwork by Stockton's good housewives was ample, and attested the training which the coming generation will receive. The art gallery was well filled, but the pictures could not well be studied under favorable gaslight, because the hall was used as a dancing gallery. As a whole, the pavilion showing was fairly good, and since exhibitors have learned that they can have sufficient room in a good and well situated building, it will be better in future years.

# TRANSACTIONS

OF THE

# THIRD DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Butte, Colusa, and Tehama.

# OFFICERS OF THE ASSOCIATION.

C. C. MASON ..... President.
WILLIAM HAWKINS ..... Vice-President.
JO. D. SPROUL ..... Secretary.
JOHN R. ROBINSON ..... Treasurer.

## DIRECTORS.

C. H. MERRILL ..... Willows.
W. M. BILLUPS ..... Colusa.
W. A. SHIPPEE ..... Nelson.
WM. HAWKINS ..... Chico.
D. M. REAVIS ..... Chico.
C. C. MASON ..... Chico.
T. P. HENDRICKS ..... Chico.
G. W. DORN ..... Chico.

# REPORT.

CHICO, November 9, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Third District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JO. D. SPROUL, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Private subscriptions | $2,115 00 | |
| State aid | 2,000 00 | |
| Gate receipts at Park | 1,101 00 | |
| Gate receipts at Pavilion | 525 50 | |
| Entrance money for races | 2,080 00 | |
| Privileges at Park | 500 00 | |
| Killip & Co., percentage on pools | 347 50 | |
| Lumber and hay sold | 35 00 | |
| John Crouch, premium returned | 15 00 | |
| W. V. Groves, premium returned | 10 00 | |
| Sweepstake entrance | 4 50 | |
| Balance on hand from 1887 | 19 00 | |
| | | $8,752 50 |

*Expenditures.*

| | | |
|---|---|---|
| Labor | $291 75 | |
| Employés at park and pavilion | 380 00 | |
| Secretary's salary | 350 00 | |
| Advertising and printing | 470 25 | |
| Postage and expressage | 29 30 | |
| Freight and drayage | 12 85 | |
| Telegraphing | 5 82 | |
| Music | 119 00 | |
| Subscription to National Trotting Association | 56 00 | |
| Hay | 200 00 | |
| Rent of Park | 700 00 | |
| Rent of Pavilion | 150 00 | |
| Rent of outside stalls | 2 50 | |
| Lumber | 74 34 | |
| Water for fair week | 140 00 | |
| Street sprinkling | 37 50 | |
| Livery and hack hire | 51 50 | |
| Cash premiums paid for live stock and pavilion exhibits | 1,155 50 | |
| Purses for races | 3,739 00 | |
| Interest on overdraft | 16 50 | |
| Merchandise | 93 10 | |
| Sundries | 49 55 | |
| | | $8,124 46 |
| Balance on hand | | 628 04 |
| Total | | $8,752 50 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED STALLIONS. | | |
| San Luis Obispo, three years old or over | J. H. Stephenson | Chico. |
| St. Leger, two years old | J. F. Holland | Chico. |
| CLASS II—GRADED HORSES—STALLIONS. | | |
| Blackbird, three years old or over | D. M. Reavis | Chico. |
| Abdallah, one year old | D. M. Reavis | Chico. |
| Blackbird, Jr., one year old | D. M. Reavis | Chico. |
| Blackbird, with five colts | D. M. Reavis | Chico. |
| MARES. | | |
| Hebe, three years old or over | A. L. Nichols | Chico. |
| Vic H, three years old or over | D. M. Reavis | Chico. |
| Ellen G, three years old or over | D. M. Reavis | Chico. |
| Lady Crittenden, two years old | D. M. Reavis | Chico. |
| Lady Gervais, two years old | D. M. Reavis | Chico. |
| Lady Malcolm, two years old | D. M. Reavis | Chico. |
| Ellen Swaggart, dam, with two colts | D. M. Reavis | Chico. |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | |
| Douglas Belmont, three years old or over | W. A. Merrill | Williams. |
| Dunois, three years old or over | L. H. McIntosh | Chico. |
| Tom, three years old or over | Z. Maloche | Norman. |
| Rob Roy, two years old | W. O. Masses | Chico. |
| CLASS IV—DRAFT HORSES—STALLIONS. | | |
| Marquis of Lorne, three years old or over | W. H. Blackford | Colusa. |
| Webster, three years old or over | D. M. Reavis | Chico. |
| Ned, one year old | R. C. Grubbs | Wyandotte. |
| CLASS V—ROADSTERS—STALLIONS. | | |
| Victory, three years old or over | John Dowd | Central House. |
| Stranger, three years old or over | W. W. Marshal | Willows. |
| Munroe King, three years old or over | D. M. Reavis | Chico. |
| Arthur Wilkes, three years old or over | L. H. McIntosh | Chico. |
| GELDINGS. | | |
| E. C. Peart | W. M. Billups | Colusa. |
| Frank | F. J. Tetran | Chico. |
| Major Mont | C. H. Merrill | Willows. |
| MARES. | | |
| Nell, three years old or over | F. M. Cecil | Chico. |
| Bird, three years old or over | W. W. Marshal | Willows. |
| Jennie, three years old or over | S. H. Jackson | Chico. |
| Bell C, three years old or over | F. G. Crawford | Willows. |
| Cora M, three years old or over | G. M. Potts | Willows. |
| Lottie, three years old or over | L. H. McIntosh | Chico. |
| Lettie, three years old or over | L. H. McIntosh | Chico. |
| Annie E, two years old | C. H. and W. R. Merrill | Willows. |
| CLASS VI—CARRIAGE HORSES—SINGLE. | | |
| Pilot | D. M. Hooper | Chico. |
| Bodie | F. E. Shearer | Chico. |
| CLASS VII—ROADSTER TEAMS—DOUBLE. | | |
| Sylvia and Addie B | A. L. Nichols | Chico. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS VIII—SADDLE HORSES. | | |
| Dandy | H. B. Reed | Chico. |
| Johnny | George Burk | Chico. |
| CLASS IX—YEARLING HORSE COLTS. | | |
| Abdallah | D. M. Reavis | Chico. |
| SUCKLING HORSE COLTS. | | |
| Sherman | Charles Sherman | Chico. |
| Farwell | D. M. Reavis | Chico. |
| Heitzig | D. M. Reavis | Chico. |
| Salisbury | D. M. Reavis | Chico. |
| Mac | L. H. McIntosh | Chico. |
| SUCKLING MARE COLTS. | | |
| —— | F. M. Cecil | Chico. |
| Lady Caro | A. L. Nichols | Chico. |
| Pink | D. M. Reavis | Chico. |
| Daisy S | W. O Masses | Chico. |
| Lottie 2d | L. H. McIntosh | Chico. |
| CLASS X—SWEEPSTAKES. | | |
| Monroe Chief, stallion of any age | D. M. Reavis | Chico. |
| Ellen Swaggert, mare of any age | D. M. Reavis | Chico. |
| CLASS XI—JACKS AND JENNIES. | | |
| Stonewall Jackson, jack | D. M. Hooper | Chico. |
| Prince, jack | John Crouch | Chico. |
| Palermo, suckling jack | John Crouch | Chico. |
| Modesty, suckling jack | J. V. Flint | Chico. |
| Lady Flint, jenny | J. V. Flint | Chico. |
| Lady Irwin, jenny | John Crouch | Chico. |
| CLASS I—HEREFORDS—COWS. | | |
| Heatherbell, three years old or over | D. M. Reavis | Chico. |
| Hyacinth, three years old or over | D. M. Reavis | Chico. |
| Belle of Chico 2d, two years old | D. M. Reavis | Chico. |
| Bell of Chico 3d, one year old | D. M. Reavis | Chico. |
| Bell of Chico 4th, heifer calf | D. M. Reavis | Chico. |
| CLASS II—ALDERNEYS, AYRSHIRES, AND JERSEYS. | | |
| Princess of Sacramento, three years old or over | C. V. Hobart | Chico. |
| Princess Ethel, heifer calf | Charles Faulkner | Chico. |
| CLASS III—DEVONS—COWS. | | |
| Cherry | F. W. Miller | Chico. |
| CLASS IV—DURHAMS AND HOLSTEINS—BULLS. | | |
| Uriah Heep, three years old or over | J. S. Hutchins | Central House. |
| Nadine Veeman, three years old or over | L. Stanford | Vina. |
| San Gabriel, three years old or over | L. Stanford | Vina. |
| Boneta Prince, one year old | L. Stanford | Vina. |
| Capador, one year old | L. Stanford | Vina. |
| Cherry Prince, one year old | D. M. Reavis | Chico. |
| Orsini, bull calf | L. Stanford | Vina. |
| Missouri Duke, bull calf | D. M. Reavis | Chico. |
| COWS. | | |
| Clara Hammerton, three years old or over | L. Stanford | Vina. |
| Jemima, three years old or over | L. Stanford | Vina. |
| Morasa, two years old | L. Stanford | Vina. |
| Lida, two years old | L. Stanford | Vina. |
| Mecax, one year old | L. Stanford | Vina. |
| Nometa, one year old | L. Stanford | Vina. |
| Patino, heifer calf | L. Stanford | Vina. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| SPECIAL CLASS—POLLED ANGUS—BULLS. | | |
| Blaine 2d, one year old | F. Ackerman | Chico. |
| Bull calf | F. Ackerman | Chico. |
| COWS. | | |
| Topsy | F. Ackerman | Chico. |
| Chloe | F. Ackerman | Chico. |
| SWEEPSTAKES—HERDS. | | |
| Nadine Veeman and four cows | L. Stanford | Vina. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBRED STALLIONS. | | | |
| San Luis Obispo, three years old or over | J. H. Stevenson | Chico | $20 00 |
| St. Leger, two years old | J. F. Holland | Chico | $15 00 |
| CLASS II—GRADED STALLIONS. | | | |
| Blackbird, three years old or over | D. M. Reavis | Chico | $15 00 |
| Blackbird, Jr., one year old | D. M. Reavis | Chico | $5 00 |
| Abdallah, one year old | D. M. Reavis | Chico | $2 50 |
| Blackbird and five colts | D. M. Reavis | Chico | $15 00 |
| MARES. | | | |
| Vic H, three years old or over | D. M. Reavis | Chico | $10 00 |
| Hebe, three years old or over | A. L. Nichols | Chico | $5 00 |
| Lady Crittenden, two years old | D. M. Reavis | Chico | $5 00 |
| Lady Gervais, two years old | D. M. Reavis | Chico | $2 50 |
| Ellen Swaggert and two colts | D. M. Reavis | Chico | $10 00 |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | | |
| Douglas Belmont, three years old or over | M. E. Merrill | Willows | $10 00 |
| Dunais, three years old or over | L. H. McIntosh | Chico | $5 00 |
| Rob Roy, two years old | W. O. Masses | Chico | $5 00 |
| CLASS IV—DRAFT STALLIONS. | | | |
| Webster, three years old or over | D. M. Reavis | Chico | $10 00 |
| Marquis of Lorne, three years old or over | W. H. Blackford | Colusa | $5 00 |
| Ned, one year old | R. G. Grubbs | Wyandotte | $5 00 |
| CLASS V—ROADSTER STALLIONS. | | | |
| Stranger, three years old or over | W. W. Marshall | Willows | $15 00 |
| Monroe King, three years old or over | D. M. Reavis | Chico | $7 50 |
| MARES. | | | |
| Belle C, three years old or over | F. G. Crawford | Willows | $10 00 |
| Bird, three years old or over | W. W. Marshall | Willows | $5 00 |
| Annie E, two years old | C. H. and W. R. Merrill | Willows | $7 50 |
| GELDINGS. | | | |
| Major Mont, fours years old or over | C. H. Merrill | Willows | $7 50 |
| Frank, four years old or over | F. J. Tetrau | Chico | $2 50 |
| CLASS VI—CARRIAGE HORSES—SINGLE. | | | |
| Bodie | F. E. Shearer | Chico | $7 50 |
| Pilot | D. M. Hooper | Chico | $5 00 |
| CLASS VII—ROADSTER TEAMS. | | | |
| Sylvia and Addie B | A. L. Nichols | Chico | $10 00 |
| CLASS VIII—SADDLE HORSES. | | | |
| Dandy | H. B. Reed | Chico | $5 00 |
| CLASS IX—COLTS. | | | |
| Mac, suckling horse colt | L. H. McIntosh | Chico | $5 00 |
| Farwell | D. M. Reavis | Chico | $2 50 |
| Abdallah, yearling horse colt | D. M. Reavis | Chico | $10 00 |
| Lady Caro, suckling mare colt | A. L. Nichols | Chico | $5 00 |
| Lottie 2d | L. H. McIntosh | Chico | $2 50 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS X—SWEEPSTAKES. | | | |
| Monroe Chief, stallion of any age | D. M. Reavis | Chico | $25 00 |
| Ellen Swaggert, mare of any age | D. M. Reavis | Chico | $20 00 |
| CLASS XI—JACKS AND MULES—JACKS. | | | |
| Prince, two years old or over | John Crouch | Chico | $10 00 |
| Stonewall Jackson, two years old or over | D. M. Hooper | Chico | $5 00 |
| JENNIES. | | | |
| Lady Irwin | John Crouch | Chico | $5 00 |
| Lady Flint | J. V. Flint | Chico | $2 50 |
| CLASS I—HEREFORDS—COWS. | | | |
| Heatherbell, three years old or over | D. M. Reavis | Chico | $15 00 |
| Hyacinth, three years old or over | D. M. Reavis | Chico | $5 00 |
| Belle of Chico 2d, two years old | D. M. Reavis | Chico | $10 00 |
| Belle of Chico 3d, one year old | D. M. Reavis | Chico | $5 00 |
| Belle of Chico 4th, heifer calf | D. M. Reavis | Chico | $4 00 |
| CLASS II—ALDERNEYS, AYRSHIRES, AND JERSEYS. | | | |
| Princess, Jersey cow, three years old or over | C. V. Hobart | Chico | $15 00 |
| Ethel, Jersey heifer calf | C. Faulkner | Chico | $4 00 |
| CLASS III—DEVONS—COWS. | | | |
| Cherry, three years old or over | F. W. Miller | Chico | $15 00 |
| CLASS IV—DURHAMS AND HOLSTEINS—BULLS. | | | |
| ——, three years old or over | Leland Stanford | Vina | $15 00 |
| Uriah Heep, three years old or over | J. S. Hutchings | Central House | $5 00 |
| Durham bull, one year old | D. M. Reavis | Chico | $5 00 |
| Holstein bull, one year old | Leland Stanford | Vina | $3 00 |
| Missouri Duke, calf | D. M. Reavis | Chico | $2 50 |
| COWS. | | | |
| Clara Hammerton, three y'rs old or over | Leland Stanford | Vina | $15 00 |
| ——, three years old or over | Leland Stanford | Vina | $5 00 |
| ——, two years old | Leland Stanford | Vina | $10 00 |
| ——, two years old | Leland Stanford | Vina | $5 00 |
| ——, one year old | Leland Stanford | Vina | $5 00 |
| ——, one year old | Leland Stanford | Vina | $3 00 |
| Heifer calf | Leland Stanford | Vina | $2 50 |
| CLASS V—SPECIAL—POLLED ANGUS—BULLS. | | | |
| Blaine 2d, one year old | F. Ackerman | Chico | $10 00 |
| COWS. | | | |
| Topsy, two years old | F. Ackerman | Chico | $7 50 |
| Chloe, two years old | F. Ackerman | Chico | $2 50 |
| SWEEPSTAKES. | | | |
| One bull and four females | Leland Stanford | Vina | $20 00 |
| CLASS I—BERKSHIRES—BOARS. | | | |
| Redwood Duke 2d | B. F. Allen | Chico | $8 00 |
| SOWS. | | | |
| Susie | J. Hunter | Chico | $5 00 |
| Hopton Girl | B. F. Allen | Chico | $3 00 |
| CLASS II—POLAND-CHINA—BOARS. | | | |
| King | B. F. Allen | Chico | $8 00 |
| Pride of Butte | B. F. Allen | Chico | $4 00 |
| SOWS. | | | |
| Maid of Chico | B. F. Allen | Chico | $5 00 |
| Phyllis | B. F. Allen | Chico | $2 50 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—GRADED—SOWS. | | | |
| —— | B. F. Allen | Chico | $4 00 |
| Five pigs under six months | B. F. Allen | Chico | $5 00 |
| CLASS IV—PURE-BRED POULTRY. | | | |
| Pair of Duck-Wing Games | J. F. Holland | Chico | $2 50 |
| Pair of Games | J. F. Holland | Chico | $2 50 |
| Pair of Black Games | J. F. Holland | Chico | $2 50 |
| Pair of Bronze turkeys | J. F. Holland | Chico | $5 00 |
| Bronze gobbler | J. F. Holland | Chico | $5 00 |
| Trio of Game Bantams | J. F. Holland | Chico | $2 50 |
| Pair of Black Spanish | J. F. Holland | Chico | $2 50 |
| Exhibit of five varieties | J. F. Holland | Chico | $7 50 |
| Pair of Games | A. L. Nichols | Chico | $2 50 |
| Game cock, under one year | A. L. Nichols | Chico | $2 50 |
| Pair of Pile Games | M. Evans | Chico | $2 50 |
| Pair of Black Javas | D. M. Hooper | Chico | $2 50 |
| Pair of Plymouth Rocks | D. M. Hooper | Chico | $2 50 |
| Pair of Dominiques | C. C. Goree | Chico | $2 50 |
| Pair of Buff Cochins | C. C. Goree | Chico | $2 50 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Pulverizer | Weinstock & Lubin | Sacramento | Diploma. |
| Domestic sewing machine | A. F. Fisher | Chico | Diploma. |
| Incubator | A. F. Fisher | Chico | Diploma. |
| Washing machine | Finch & Holt | Chico | Diploma. |
| Clothes wringer (Empire) | Finch & Holt | Chico | Diploma. |
| Clotheshorse (California) | Finch & Holt | Chico | Diploma. |
| CLASS II—VEHICLES. | | | |
| Road cart | Pulliam & Hamilton | Chico | $3 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best ten yards rag carpet | Mrs. J. Gilly | Chico | $4 00 |
| Second best ten yards rag carpet | Mrs. E. A. Pegden | Chico | $2 50 |
| Best hooked rug | Mrs. E. A. Pegden | Chico | $3 00 |
| Best knitted cotton socks | Mrs. L. Nye | Chico | $1 00 |
| Best knitted wool socks | Mrs. S. Potter | Chico | $1 00 |
| Best knitted bedspread | Mrs. D. M. Hooper | Chico | $3 00 |
| Best crochet bedspread | Mrs. Levi Smith | Gridley | $5 00 |
| CLASS II. | | | |
| Best ottoman cover | Mrs. C. G. Warren | Chico | $2 00 |
| Best table cover | Mrs. R. A. McCormack | Chico | $2 00 |
| Best fancy chair cushion | Mrs. C. G. Warren | Chico | $2 00 |
| Best crochet shawl | Miss M. Shannon | Chico | $2 00 |
| Best lamp stand mat | Mrs. R. McIntosh | Chico | $1 00 |
| Best silk embroidery | Miss M. Shannon | Chico | $5 00 |
| Best embroidered table cover | Miss M. Shannon | Chico | $2 00 |
| Best embroidered wall panel | Mrs. C. G. Warren | Chico | $1 00 |
| Best made and handsomest dress | Mrs. A. M. Woodruff | Chico | $3 00 |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best honiton and point lace | Miss Georgie Hall | Chico | $2 00 |
| Best display of tidies and yokes | Miss M. Shannon | Chico | $2 00 |
| Best seed frame | Mrs. L. Nye | Chico | $1 00 |
| Best display of hairwork | Mrs. M. Bazel | Chico | $2 00 |
| Best display of linen embroidery | Miss M. Shannon | Chico | $2 50 |
| Best display of artificial flowers | Mrs. L. Nye | Chico | $2 50 |
| Best display of wax flowers | Mrs. E. A. Pegden | Chico | $2 50 |
| Best display of moss work | Mrs. L. Nye | Chico | $2 00 |
| Best display of cone work | Mrs. L. Nye | Chico | $2 00 |
| Best display of sheli work | Mrs. L. Nye | Chico | $2 00 |
| Best embroidered picture | Miss M. Shannon | Chico | $2 50 |
| Best silk quilt | Mrs. Jesse Wood | Pentz | $8 00 |
| Best kensington painting | Miss Georgie Hall | Chico | $1 00 |
| Best fire screen | Mrs. C. G. Warren | Chico | $2 00 |
| Best patchwork quilt | Mrs. N. E. Batchelor | Chico | $3 00 |
| Best child's afghan | Miss M. Shannon | Chico | $2 00 |
| Best outline embroidery | Mrs. C. G. Warren | Chico | $1 00 |
| Largest and best display of fancy articles | Mrs. C. G. Warren | Chico | $5 00 |
| Best lambrequin | Mrs. C. G. Warren | Chico | $2 00 |
| Best fine lace work | Mrs. C. C. Mason | Chico | $2 00 |
| Best display of grasses | Mrs. L. Nye | Chico | $1 00 |
| Best carriage afghan | Miss M. Shannon | Chico | $2 00 |
| Best chenille embroidery | Mrs. C. G. Warren | Chico | $2 00 |
| Best crazy quilt | Mrs. J. A. Watson | Chico | $5 00 |
| Best worsted lounge scarf | Mrs. C. M. Bryant | Chico | $2 00 |
| Best raised or plush work | Miss M. Shannon | Chico | $2 00 |
| Best worsted crochet skirt | Mrs. S. Potter | Chico | $2 00 |
| Best table scarf | Mrs. C. G. Warren | Chico | $2 00 |
| Best piano scarf | Mrs. R. A. McCormack | Chico | $4 00 |
| Best whiskbroom holder | Mrs. C. G. Warren | Chico | $2 00 |
| CLASS II—SPECIAL PREMIUMS. | | | |
| Crochet bead chain | Mrs. S. Potter | Chico | $1 00 |
| Crochet hood | Mrs. S. Potter | Chico | $1 00 |
| Worsted wreath | Mrs. S. Potter | Chico | $1 00 |
| One hundred and sixty-five samples of crochet | Misses V. and M. Empie | Chico | $1 00 |
| Thirteen pieces of crochet lace | Misses V. and M. Empie | Chico | $1 00 |
| Seven crochet tidies | Misses V. and M. Empie | Chico | $1 00 |
| Spattered work | Mrs. N. E. Batchelor | Chico | $1 00 |
| Child's lace dress and skirt | Mrs. J. E. Rodley | Chico | $1 00 |
| Feather wreath | Mrs. E. A. Pegden | Chico | $1 00 |
| Outlined pillow shams | Mrs. E. A. Pegden | Chico | $1 00 |
| Knit opera cape | Mrs. N. S. Rose | Chico | $1 00 |
| Silk embroidered tidy | Mrs. C. G. Warren | Chico | Diploma. |
| Ribbon and plush work | Mrs. C. G. Warren | Chico | $2 00 |
| Best display of kensington | Mrs. C. G. Warren | Chico | $2 50 |
| Chenille rug | Mrs. C. M. Bryant | Chico | $2 00 |
| Display of knit lace | Mrs. J. W. McIntosh | Chico | $2 50 |
| Crochet lap robe | Miss G. Hall | Chico | $2 00 |
| Hammered brass work | Miss G. Hall | Chico | $1 00 |
| Crazy quilt | Mrs. L. Nye | Chico | $2 00 |
| Log cabin | Mrs. L. Nye | Chico | $2 00 |
| Artificial flower wreath | Mrs. L. Nye | Chico | $1 00 |
| Second best silk quilt | Mrs. R. B. Hildreth | Chico | $2 00 |
| Fine lace work | Mrs. H. Klingst | Chico | $1 00 |
| Crochet rug | Miss D. Goree | Chico | $2 00 |
| Crochet novelty lace | Miss M. Shannon | Chico | $1 00 |
| Patchwork quilt | Miss M. Shannon | Chico | $2 00 |
| Knitted cotton tidies | Mrs. R. McIntosh | Chico | $2 50 |
| Lace nightcap | Mrs. R. McIntosh | Chico | $1 00 |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III. | | | |
| Best exhibit of saddlery and harness | George Lyons | Chico | $10 00 |
| Best exhibit of sewing machines | A. F. Fisher | Chico | $5 00 |
| Best exhibit of musical instruments | A. F. Fisher | Chico | |
| Best exhibit of brass instruments | Neubarth Band | Chico | $10 00 |
| Best exhibit of drugs and toilet articles | Deveny & Crew | Chico | $5 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best set of double carriage harness | George Lyons | Chico | $10 00 |
| Best set of single harness | George Lyons | Chico | $5 00 |
| Best display of saddles and bridles | George Lyons | Chico | $2 50 |
| Best display of farm harness | George Lyons | Chico | $10 00 |
| CLASS II—SPECIAL. | | | |
| Display of dental work | J. E. Moore | Chico | Diploma. |
| CLASS IV. | | | |
| Best organ made in United States | A. F. Fisher | Chico | $3 00 |
| CLASS V. | | | |
| Best center table | W. A. Tickner | Chico | $2 50 |
| Display of furniture | W. A. Tickner | Chico | $5 00 |
| CLASS VI. | | | |
| Best turning and lathe work | Sierra Lumber Co. | Chico | $3 00 |
| Best scroll sawing | W. A. Tickner | Chico | $3 00 |
| CLASS VIII. | | | |
| Display of toilet and washing soap | Capital Soap W'ks. | Sacramento | Diploma. |
| CLASS IX. | | | |
| Best collection of minerals | Mrs. L. Nye | Chico | $5 00 |
| Best cabinet | Mrs. L. Nye | Chico | $5 00 |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best and largest variety of wheat | J. F. Entler | Chico | $5 00 |
| Best sack of flour | Sunset Mills | Colusa | $3 00 |
| Best sack of barley | J. F. Entler | Chico | $2 00 |
| Best exhibit of hams | S. L. Skillin | Nimshew | $2 00 |
| Best exhibit of bacon | J. F. Entler | Chico | $2 00 |
| Best exhibit of lard | J. F. Entler | Chico | $2 00 |
| Best exhibit of tobacco | M. V. Roe | Nimshew | $2 00 |
| CLASS I—SPECIAL. | | | |
| Display of grasses | M. V. Roe | Nimshew | $0 50 |
| Sheaf of oats | M. V. Roe | Nimshew | $0 50 |
| Sorghum in stalk | M. V. Roe | Nimshew | $0 50 |
| Display of parsnips | M. V. Roe | Nimshew | $0 50 |
| Display of carrots | M. V. Roe | Nimshew | $0 50 |
| CLASS II. | | | |
| Best half bushel red potatoes | S. L. Skillin | Nimshew | $1 00 |
| Best six turnip beets | S. L. Skillin | Nimshew | $0 50 |
| Best six sugar beets | Mrs. G. F. Jones | Chico | $0 50 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best peck tomatoes | Mrs. G. F. Jones | Chico | $0 50 |
| Best six marrow squashes | Mrs. G. F. Jones | Chico | $0 50 |
| Best six hubbard squashes | Mrs. G. J. Jones | Chico | $0 50 |
| Display of egg plant | M. V. Roe | Nimshew | $0 50 |
| Display of beans | M. V. Roe | Nimshew | $0 50 |
| Six cucumbers | S. L. Skillin | Nimshew | $0 50 |
| CLASS III. | | | |
| Best display of cut flowers | Mrs. N. S. Rose | Chico | Diploma. |
| CLASS V. | | | |
| Best raised biscuit | Mrs. J. A. Watson | Chico | $1 00 |
| Best soda biscuit | Mrs. J. A. Watson | Chico | $1 00 |
| Best domestic corn bread | Mrs. H. Klingst | Chico | $1 00 |
| Best domestic rye bread | Miss M. Shannon | Chico | $1 00 |
| Best domestic wheat bread | Mrs. J. A. Watson | Chico | $1 00 |
| Best display of bread | Miss M. Shannon | Chico | $3 00 |
| Best display of butter in rolls | Mrs. J. F. Entler | Chico | $2 00 |
| Best yeast powder biscuits | Mrs. S. Potter | Chico | Sp. men. |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best display of apples | W. V. Groves | Chico | $5 00 |
| Second best display of apples | M. V. Roe | Nimshew | $2 50 |
| Best twelve varieties of apples | Wm. Bonness | Chico | $4 00 |
| Second best twelve varieties of apples | S. L. Skillin | Nimshew | $2 00 |
| Best six varieties of apples | Wm. Bonness | Chico | $2 00 |
| Second best six varieties of apples | T. J. Wood | Pentz | $1 00 |
| Best three varieties of apples | Wm. Bonness | Chico | $0 50 |
| Best display of pears | B. F. Allen | Chico | $5 00 |
| Second best display of pears | Wm. Bonness | Chico | $2 50 |
| Best twelve varieties of pears | B. F. Allen | Chico | $4 00 |
| Best six varieties of pears | Wm. Bonness | Chico | $2 00 |
| Second best six varieties of pears | B. F. Allen | Chico | $1 00 |
| Best three varieties of pears | B. F. Allen | Chico | $0 50 |
| Best display of peaches | Wm. Bonness | Chico | $5 00 |
| Second best display of peaches | S. L. Skillin | Nimshew | $2 50 |
| Best six varieties of peaches | S. L. Skillin | Nimshew | $3 50 |
| Best one variety of peaches | T. J. Wood | Pentz | $1 00 |
| Best display of plums | S. L. Skillin | Nimshew | $2 00 |
| Best five varieties of plums | S. L. Skillin | Nimshew | $1 00 |
| Best one variety of plums | T. J. Wood | Pentz | $0 50 |
| Best display of pomegranates | W. V. Groves | Chico | $2 00 |
| Best display of nectarines | E. T. Reynolds | Chico | $2 00 |
| Best display of green figs | T. J. Wood | Pentz | $2 00 |
| Best display of oranges | T. J. Wood | Pentz | $2 50 |
| Best display of fruit by producer | M. V. Roe | Nimshew | $10 00 |
| Best display of gooseberries | W. Chalmers | Chico | |
| Best display of quinces | W. V. Groves | Chico | $2 00 |
| Best display of persimmons | W. V. Groves | Chico | $2 00 |
| CLASS II. | | | |
| Best ten pounds of honey | J. F. Entler | Chico | $2 00 |
| Best display of fruit in jars | Mrs. B. F. Allen | Chico | $5 00 |
| Best three jars of raspberry jelly | Mrs. B. F. Allen | Chico | $2 00 |
| Best three jars of red currant jelly | Mrs. B. F. Allen | Chico | $2 00 |
| Best three jars of black currant jelly | Mrs. B. F. Allen | Chico | $2 00 |
| Best three jars of blackberry jelly | Miss Alice Wood | Chico | $2 00 |
| Best three jars of strawberry jelly | Mrs. N. E. Batchelor | Chico | $2 00 |
| Best three jars of quince jelly | Mrs. B. F. Allen | Chico | $2 00 |
| Best blackberry jam | S. L. Skillin | Nimshew | $2 00 |
| Best raspberry jam | Miss Alice Wood | Pentz | $2 00 |

SIXTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best display of preserves in glass | Mrs. N. E. Batchelor | Chico | $5 00 |
| Best display of pickles | M. V. Roe | Nimshew | $2 50 |
| Best brandied peaches | Mrs. B. F. Allen | Chico | $2 50 |
| Sample jar of gooseberries | Mrs. S. Potter | Chico | $1 00 |
| Sample jar of apple sauce | Mrs. S. Potter | Chico | $1 00 |
| Sample jar of yellow tomatoes | Mrs. S. Potter | Chico | $1 00 |
| Three jars of quince preserves | Mrs. N. E. Batchelor | Chico | $1 00 |
| Three jars of currants | Mrs. N. S. Rose | Chico | $1 00 |
| Two jars of tomato preserves | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of currant jam | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of apricot jam | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of white fig jam | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of mixed pickles | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of mustard pickles | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of chow chow | Mrs. N. S. Rose | Chico | $1 00 |
| Three jars of Chile sauce | Mrs. N. S. Rose | Chico | $0 50 |
| Display of canned fruit | M. V. Roe | Nimshew | $0 50 |
| Three jars of plum jelly | S. L. Skillin | Nimshew | $1 00 |
| Second best display of fruit in glass | T. J. Wood | Pentz | $1 00 |
| Three jars of crabapple jelly | Miss A. Wood | Pentz | $1 00 |
| CLASS III. | | | |
| Best twenty-five pounds of dried apples | S. L. Skillin | Nimshew | $2 00 |
| Best twenty-five pounds of dried pears | S. L. Skillin | Nimshew | $2 00 |
| Best twenty-five pounds of dried peaches | T. J. Wood | Pentz | $2 00 |
| Best twenty-five pounds of dried plums | S. L. Skillin | Nimshew | $2 00 |
| Best ten pounds of nectarines | T. J. Wood | Pentz | $2 00 |
| Best ten pounds of prunes | T. J. Wood | Pentz | $2 00 |
| Best one half peck of English walnuts | W. V. Groves | Chico | $2 00 |
| Best one half peck of soft shelled almonds | T. J. Wood | Pentz | $2 00 |
| Best two bushels of peanuts | M. V. Roe | Nimshew | $2 00 |
| Best display of raisins | M. V. Roe | Nimshew | $5 00 |
| Best twelve varieties of table grapes | W. V. Groves | Chico | $5 00 |
| Best six varieties of table grapes | T. J. Wood | Pentz | $2 00 |
| Best three varieties of table grapes | T. J. Wood | Pentz | $1 00 |
| Best variety of raisin grapes | W. V. Groves | Chico | $3 00 |
| Best display of sweet cider | S. L. Skillin | Nimshew | $2 50 |
| Best display of hard cider | S. L. Skillin | Nimshew | $2 50 |
| Best display of walnuts | M. V. Roe | Nimshew | $1 00 |
| Best display of canned fruit | T. J. Wood | Pentz | $10 00 |
| Best display of cider vinegar | W. V. Groves | Chico | $2 50 |
| SPECIAL PREMIUMS. | | | |
| Best display of fruits, vegetables, grains, grasses, etc. | M. V. Roe | Nimshew | $15 00 |
| General display of fruit and canned goods | T. J. Wood | Pentz | $10 00 |
| General display of fruit | Wm. Bonness | Chico | $10 00 |
| General display of fruits, vegetables, meats, jellies, etc. | S. L. Skillin | Nimshew | $10 00 |
| General display of fruits and grapes | W. V. Groves | Chico | $10 00 |
| General display of fruits and vegetables | B. F. Allen | Chico | $10 00 |
| Display of grapes | M. Azuvedo | Orland | Spec. pre. |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best oil painting | Miss H. E. Wood | Pentz | $5 00 |
| Second best | Miss Alice Crum | Chico | $3 00 |
| Best oil painting portraiture | Miss H. E. Wood | Pentz | $5 00 |
| Best oil painting on textile fabric | Mrs. J. Shannon | Chico | $2 50 |
| Best collection of paintings | Miss Alice Crum | Chico | $5 00 |
| Best display of barbertine work | Miss Hazel Wood | Pentz | $5 00 |
| Best display of flower paintings | Mrs. F. A. Crum | Chico | $5 00 |
| Best display of McCardno paintings | Miss G. Hall | Chico | Diploma. |

SEVENTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II. | | | |
| Best crayon drawing | Miss G. Hall | Chico | $2 00 |
| CLASS III. | | | |
| Best copy of oil painting | Miss G. Allen | Chico | $1 00 |
| Collection of oil paintings (special prem.) | Miss A. Swearingen | Chico | $5 00 |
| CLASS IV. | | | |
| Best collection of photographs | D. H. Woods | Chico | $5 00 |
| Best photographs | D. H. Woods | Chico | $3 00 |

# SPEED PROGRAMME.

TUESDAY, AUGUST 21, 1888.

RACE NO. 1—TROTTING.

For two-year olds owned in the district. Purse, two hundred dollars. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Annie E, by Tilton Almont | W. R. & C. H. Merrill | Willows. |
| Tart, by Tilton Almont | W. M. Billups | Colusa. |

SUMMARY.

| | | |
|---|---|---|
| Annie E | 1 | 1 |
| Tart | 2 | 2 |

*Time*—3:00½; 3:00½.

RACE NO. 2—TROTTING.

3:00 Class. Purse, three hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Patchwork, by Brigadier | C. Raisch | Marysville. |
| Altena, by Altamont | L. Swan | Yreka. |
| Bell C, by Tilton Almont | F. G. Crawford | Willows. |
| Blockade, sire unknown | M. Biggs, Jr. | Biggs. |
| Surgeon, by Brigadier | N. S. Hamlin | Marysville. |
| Daisy, sire unknown | D. E. Knight | Marysville. |

SUMMARY.

| | | | |
|---|---|---|---|
| Blockade | 1 | 1 | 1 |
| Altena | 2 | 2 | 3 |
| Bell C | 3 | 3 | 2 |
| Patchwork | dis. | | |
| Surgeon | dis. | | |
| Daisy | dis. | | |

*Time*—2:33¼; 2:36½; 2:42.

RACE NO. 3—TROTTING.

For a special purse for named horses. Purse, three hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jim L, by Dan Voorhies | C. Rodriguez | Watsonville. |
| Argent, by Sterling | R. H. Walton | San José. |
| Eros, by Electioneer | W. H. Vioget | San José. |
| Sunflower, by Elmo | G. Baylis | Mayfield. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Sunflower | 2 | 1 | 2 | 1 | 1 |
| Jim L | 1 | 2 | 1 | 2 | 2 |
| Argent | 4 | 4 | 3 | 3 | 3 |
| Eros | 3 | 3 | dr. | | |

*Time*—2:32; 2:28; 2:30; 2:30; 2:29.

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WEDNESDAY, AUGUST 22, 1888.

RACE NO. 4—TROTTING.

For three-year olds owned in the district. Purse, three hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Strathaway, sire unknown | H. H. Helman | Visalia. |
| W W, by Tilton Almont | L. P. Tooley | Willows. |
| Langmont, by Tilton Almont | W. M. Billups | Colusa. |
| Stranger, by Tilton Almont | W. W. Marshal | Willows. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Strathaway | 4 | 2 | 1 | 1 | 1 |
| Stranger | 2 | 3 | 2 | 2 | 2 |
| W W | 1 | 1 | 3 | dis. | |
| Langmont | 3 | dis. | | | |

*Time*—2:42½; 2:47; 2:47¾; 2:35¾; 3:00.

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RACE NO. 5—TROTTING.

2:40 Class. Purse, four hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Blockade, sire unknown | M. Biggs, Jr. | Biggs. |
| Lohengrin, by Echo | J. W. Dowell | Marysville. |
| Daisy, sire unknown | D. E. Knight | Marysville. |
| Maxwell, by Plumas | W. Garrett | Chico. |
| Bird, by Tilton Almont | W. W. Marshall | Willows. |
| Millboy, by Brigadier | J. B. McDonald | Marysville. |

SUMMARY.

| | | | |
|---|---|---|---|
| Lohengrin | 1 | 1 | 1 |
| Bird | 3 | 2 | 2 |
| Blockade | 2 | 4 | 4 |
| Maxwell | 4 | 3 | 3 |
| Daisy | 5 | 5 | 5 |
| Millboy | dis. | | |

*Time*—2:35; 2:37; 2:36.

## THURSDAY, AUGUST 23, 1888.

### Race No. 6—Running.

Purse, one hundred and fifty dollars. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J M R, by Kelpie | J. M. Woodburn | Sacramento. |
| Adonis, by Joe Hooker | S. C. Tryon | Sacramento. |
| San Luis Obispo, by St. Louis | J. H. Stevenson | Chico. |
| Two-year old colt, by Three Cheers | William Murry | Sacramento. |
| Sagebrush Sam, sire unknown | C. Crawford | Chico. |
| Nettie Moak, sire unknown | J. F. Holland | Chico. |

SUMMARY.

| | | | |
|---|---|---|---|
| J M R | 2 | 1 | 1 |
| Two-year old colt | 1 | 2 | 2 |
| San Luis Obispo | 3 | 3 | 3 |
| Nettie Moak | 4 | dis. | |
| Adonis | dis. | | |
| Sagebrush Sam | dis. | | |

*Time*—0:49; 0:48¾; 0:50.

### Race No. 7—Pacing.

Free for all. Purse, five hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Almont Patchen, by Juaniton | W. M. Billups | Colusa. |
| Elwood, by Richmond | C. A. Durfee | Los Angeles. |
| Bracelet, by Nephew | J. R. Hodson | Sacramento. |
| Pocahontas, by Washington | S. C. Tryon | Sacramento. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Almont Patchen | 1 | 2 | 2 | 1 | 2 | 1 |
| Elwood | 2 | 1 | 1 | 3 | 3 | 3 |
| Pocahontas | 4 | 4 | 3 | 2 | 1 | 2 |
| Bracelet | 3 | 3 | 4 | 4 | 4 | |

*Time*—2:22½; 2:22½; 2:24; 2:27; 2:28; 2:30.

## FRIDAY, AUGUST 24, 1888.

### Race No. 8—Running.

Purse, two hundred and fifty dollars. Three quarters of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Perigrine, by Joe Hooker | William Murry | Sacramento. |
| Adonis, by Joe Hooker | S. C. Tryon | Sacramento. |

SUMMARY.

| | |
|---|---|
| Perigrine | 1 |
| Adonis | dis. |

*Time*—1:16¾.

RACE No. 9—TROTTING.

2:27 Class. Purse, six hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Wallace G, by Plumas | P. Garrett | Chico. |
| Jim L, by Dan Voorhies | Jas. Linscott | Watsonville. |
| Hazel Kirke, by Brigadier | J. B. McDonald | Marysville. |
| Eros, by Electioneer | W. H. Vioget | San José. |
| Ha Ha, by Nephew | Houser & Soule | Stockton. |
| Victor, by Echo | G. A. Doherty | Crescent Mills. |
| Ed, by Erwin Davis | A. F. Jackson | Stockton. |
| Artist, by Golddust | J. R. Hodson | Sacramento. |

SUMMARY.

| | | | |
|---|---|---|---|
| Victor | 1 | 1 | 1 |
| Ha Ha | 2 | 2 | 5 |
| Wallace G | 4 | 4 | 2 |
| Artist | 3 | 3 | 3 |
| Ed | 5 | 6 | 4 |
| Jim L | 6 | 5 | 6 |
| Eros | 7 | dr. | |
| Hazel Kirke | dis. | | |

*Time*—2:25; 2:25; 2:26.

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SATURDAY, AUGUST 25, 1888.

RACE No. 10—RUNNING.

Purse, two hundred dollars. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Adonis, by Joe Hooker | S. C. Tryon | Sacramento. |
| Nettie Moak, sire unknown | J. F. Holland | Chico. |
| Perigrine, by Joe Hooker | Wm. Murry | Sacramento. |
| J M R, by Kelpie | J. M. Woodburn | Sacramento. |

SUMMARY.

| | |
|---|---|
| Perigrine | 1 |
| J M R | 2 |
| Adonis | 3 |
| Nettie Moak | 4 |

*Time*—1:47.

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RACE No. 11—TROTTING.

2:33 Class. Purse, four hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Emma Temple, by Jackson Temple | H. H. Helman | Fresno. |
| Sunflower, by Elmo | W. H. Seale | Mayfield. |
| Argent, by Sterling | R. H. Walton | San José. |
| Don Tomas, by Del Sur | C. A. Durfee | Los Angeles. |

SUMMARY.

| | | | |
|---|---|---|---|
| Don Tomas | 1 | 1 | 1 |
| Emma Temple | 3 | 2 | 2 |
| Sunflower | 2 | 3 | 3 |
| Argent | 4 | 4 | 4 |

*Time*—2:28; 2:29; 2:28.

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RACE NO. 12—TROTTING.

For four-year olds and under owned in the district. Purse, four hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| E C Peart, by Tilton Almont | W. M. Billups | Colusa. |
| Altena, by Altamont | L. Swan | Yreka. |

SUMMARY.

| | | | |
|---|---|---|---|
| Altena | 1 | 1 | 1 |
| E C Peart | 2 | 2 | 2 |

*Time*—2:43½; 2:42; 2:45.

# TRANSACTIONS

OF THE

# FOURTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Sonoma and Marin.

# OFFICERS OF THE ASSOCIATION.

JOSIAH H. WHITE ..... President.
W. E. COX ..... Secretary.
LEE ELLSWORTH ..... Treasurer.

## DIRECTORS.

J. H. WHITE ..... Lakeville.
F. C. DELONG ..... Novato.
H. MEACHAM ..... Stony Point.
A. P. OVERTON ..... Santa Rosa.
WM. ZARTMAN ..... Petaluma.
P. J. SHAFTER ..... Olema.
J. H. DRUMMOND ..... Glen Ellen.

# REPORT.

PETALUMA, December 1, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Fourth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. E. COX, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From entrance fees | $4,171 50 | |
| From sale of tickets | 3,004 95 | |
| From privileges | 2,842 10 | |
| From State appropriation | 2,500 00 | |
| From grand stand | 1,214 85 | |
| From membership | 450 00 | |
| From sale of hay | 327 83 | |
| From subscriptions | 102 50 | |
| From police | 60 00 | |
| From special premiums | 45 00 | |
| From fines refunded | 35 00 | |
| | | $14,753 73 |
| Overdraft December 1, 1888 | | 6,192 30 |
| | | $20,946 03 |

*Expenditures.*

| | | | |
|---|---|---|---|
| Overdraft of December 1, 1887 | | | $5,678 23 |
| Paid purses | $7,950 00 | | |
| General expenses | 3,682 80 | | |
| Improvements | 2,380 55 | | |
| Premiums | 1,989 50 | | |
| Entrance refunded | 150 00 | | |
| Warrant No. 570, of 1887 | 23 50 | | |
| Warrant No. 18, of 1887 | 1 50 | | |
| Warrant No. 42, of 1887 | 1 50 | | |
| | $16,179 35 | | |
| Less warrants of 1888, paid: | | | |
| No. 37 | $345 00 | | |
| No. 54 | 223 35 | | |
| No. 80 | 5 00 | | |
| No. 99 | 1 00 | | |
| No. 103 | 2 00 | | |
| No. 112 | 1 00 | | |
| No. 119 | 1 00 | | |
| No. 129 | 2 00 | | |
| No. 165 | 2 00 | | |
| No. 169 | 210 00 | | |
| No. 170 | 1 00 | | |
| No. 173 | 4 00 | | |
| No. 193 | 38 | | |
| No. 209 | 8 65 | | |
| No. 210 | 3 00 | | |
| No. 234 | 52 17 | | |
| No. 240 | 20 00 | | |
| No. 244 | 30 00 | | |
| | | $911 55 | |
| | | | $15,267 80 |
| | | | $20,946 03 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED HORSES—STALLIONS. | | |
| Three Cheers, four years old or over | T. G. Jones | Santa Rosa. |
| Sid, three years old | B. C. Holly | Vallejo. |
| Young Prince, two years old | T. G. Jones | Santa Rosa. |
| Wild Oats, two years old | W. L. Appleby | Santa Clara. |
| MARES. | | |
| Laura Gardner, four years old or over | W. L. Appleby | Santa Clara. |
| Notidle, four years old or over | W. L. Appleby | Santa Clara. |
| Carmen, three years old | W. L. Appleby | Santa Clara. |
| Nancy, three years old | B. C. Holly | Vallejo. |
| Futurity, two years old | W. L. Appleby | Santa Clara. |
| Lady Helen, one year old | W. L. Appleby | Santa Clara. |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | |
| Rustic Boy, four years old or over | P. J. Shafter | Olema. |
| McPherson, four years old or over | J. R. Rose | Lakeville. |
| McGregor, four years old or over | J. Fritsch | Petaluma. |
| Dan Voorhees, Jr., four years old or over | J. Morrow | Petaluma. |
| Alcona, Jr., four years old or over | J. P. Rodehaver | Petaluma. |
| Rafael, four years old or over | A. W. Foster | San Rafael. |
| Edward Waverly, four years old or over | A. W. Burbanks | Lakeport. |
| Woodnut, four years old or over | B. C. Holly | Vallejo. |
| Adventurer, four years old or over | B. E. Harris | San Francisco. |
| Silas Skinner, three years old | J. P. Rodehaver | Petaluma. |
| Director, Jr., three years old | J. H. White | Lakeville. |
| Storm, two years old | B. E. Harris | San Francisco. |
| MARES. | | |
| Debonaire, four years old or over | J. Loranger | Petaluma. |
| Fearless, four years old or over | B. E. Harris | San Francisco. |
| Rosie, one year old | S. Sperry | Petaluma. |
| Lorena | B. E. Harris | San Francisco. |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Rustic, four years old or over | P. J. Shafter | Olema. |
| Hernani, four years old or over | J. H. White | Lakeville. |
| Whalebone, four years old or over | H. B. Hasbrouck | Petaluma. |
| Antevenio, one year old | P. J. Shafter | Olema. |
| Joe, one year old | J. H. White | Lakeville. |
| MARES. | | |
| Minnie, four years old or over | J. R. Rose | Lakeville. |
| Katie Almont, four years old or over | J. H. White | Lakeville. |
| Annie, four years old or over | J. H. White | Lakeville. |
| Miss Cole, four years old or over | J. H. White | Lakeville. |
| Leila, four years old or over | Mrs. W. D. Bliss | Petaluma. |
| Lena Boules, four years old or over | B. E. Harris | San Francisco. |
| Kate H, four years old or over | F. T. Maynard | Petaluma. |
| Alice D, three years old | J. H. White | Lakeville. |
| Princess, three years old | J. H. White | Lakeville. |
| Henrietta D, two years old | J. H. White | Lakeville. |
| Mountain Quail, two years old | J. H. White | Lakeville. |
| Lizzie, two years old | T. Pare | Petaluma. |
| Dot, one year old | J. H. White | Lakeville. |
| ——, mare colt under one year | J. H. White | Lakeville. |
| ——, mare colt under one year | J. H. White | Lakeville. |
| Ito, mare and colt under one year | B. E. Harris | San Francisco. |
| Hernani, stallion, with five colts | J. H. White | Lakeville. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS IV—CARRIAGE, SADDLE, AND GENTLEMEN'S ROADSTERS. | | |
| Tom and Jerry, carriage team | J. T. Smith | Petaluma. |
| Harry and Edna, roadsters | B. E. Harris | San Francisco. |
| Viking, buggy horse | P. J. Shafter | Olema. |
| Cornet, buggy horse | J. R. Rose | Lakeville. |
| Hugo, buggy horse | J. H. White | Lakeville. |
| Brightwood, buggy horse | J. A. Davis | Petaluma. |
| Bay Johnnie, saddle horse | F. Roberts | Petaluma. |
| Jack, saddle horse | M. D. Hopkins | Petaluma. |
| Bruce, saddle horse | B. E. Harris | San Francisco. |
| Scott, saddle horse | B. E. Harris | San Francisco. |
| CLASS V—NORMANS AND OTHER FRENCH DRAFT BREEDS—STALLIONS. | | |
| Hercules, four years old or over | T. Skillman | Petaluma. |
| Beaufort, four years old or over | J. P. Rodehaver | Petaluma. |
| Attilla, three years old | H. Wilsey | Petaluma. |
| Durand, two years old | H. Wilsey | Petaluma. |
| De Chartre, two years old | L. A. Devota | Novato. |
| John L, colt under one year | J. P. Rodehaver | Petaluma. |
| Right Sort, colt under one year | P. Hennelly | Petaluma. |
| MARES. | | |
| Maud, four years old or over | Robert Crane | Santa Rosa. |
| Dolly, four years old or over | H. Gibbs | Petaluma. |
| Queen of the Valley, four years old or over | P. Hennelly | Petaluma. |
| Annie, four years old or over | W. K. Hill | Petaluma. |
| Lady, four years old or over | W. K. Hill | Petaluma. |
| Maggie, two years old | Lidia Helman | Petaluma. |
| Black Bess, two years old | W. K. Hill | Petaluma. |
| Queen P, colt under one year | Robert Crane | Santa Rosa. |
| Beaufort, stallion, with five colts | J. P. Rodehaver | Petaluma. |
| CLASS VI—CLYDESDALE AND OTHER ENGLISH DRAFT BREEDS—STALLIONS. | | |
| Captain Sifton, four years old or over | J. Fritsch | Petaluma. |
| Morning Star, four years old or over | Clydesdale Breeders' Ass'n | Petaluma. |
| Prince of Wales, three years old | H. E. Chapman | Petaluma. |
| Pointsman, Jr., three years old | F. Roberts | Petaluma. |
| Alexander Pointsman, two years old | P. Hennelly | Petaluma. |
| Lord McDuff, two years old | H. Wilsey | Petaluma. |
| Gladstone, two years old | H. E. Chapman | Petaluma. |
| Buffalo Bill, two years old | Denman & McNear | Petaluma. |
| ——, two years old | Denman & McNear | Petaluma. |
| ——, two years old | Denman & McNear | Petaluma. |
| Gray Point, two years old | J. A. McNear | Petaluma. |
| Whiskers, two years old | W. Page | Penn's Grove. |
| Robert Burns, one year old | R. H. Crane | Petaluma. |
| Scotty, one year old | R. H. Crane | Petaluma. |
| Pointsman, Jr., one year old | Denman & McNear | Petaluma. |
| Fingermark, under one year | Robert Crane | Santa Rosa. |
| Pointsman 2d, under one year | H. Gibbs | Petaluma. |
| Crescent, under one year | E. R. Charles | Petaluma. |
| MARES. | | |
| Dolly, four years old or over | Robert Crane | Santa Rosa. |
| Maid of the Mist, four years old or over | Denman & McNear | Petaluma. |
| Blossom 2d, four years old or over | Denman & McNear | Petaluma. |
| Annie, three years old | R. H. Crane | Petaluma. |
| Nelly Clyde, three years old | P. Hennelly | Petaluma. |
| Annie Bell, two years old | R. H. Crane | Petaluma. |
| Queen, two years old | H. E. Chapman | Petaluma. |
| Belle, two years old | Denman & McNear | Petaluma. |
| Kate Clyde, one year old | P. Hennelly | Petaluma. |
| Maid 2d, under one year | Denman & McNear | Petaluma. |
| Blossom 3d, under one year | Denman & McNear | Petaluma. |
| Morning Star, stallion, with five colts | Clydesdale Breeders' Ass'n | Petaluma. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS VII—GENERAL PURPOSES—STALLIONS. | | |
| Prince of Marin, three years old or over | P. J. Shafter | Olema. |
| Gallion, three years old or over | T. Skillman | Petaluma. |
| Vindicator, three years old or over | T. Skillman | Petaluma. |
| Cantilet, three years old or over | T. Skillman | Petaluma. |
| Duke De Chartres, Jr., three years old or over | H. E. Chapman | Petaluma. |
| Mark Twain, three years old or over | J. M. Zane | Glen Ellen. |
| Crane's Hambletonian, three years old or over | Robert Crane | Santa Rosa. |
| Pointer, one year old | R. H. Crane | Petaluma. |
| Alice, under one year | R. H. Crane | Petaluma. |
| MARES. | | |
| Minnie D, three years old or over | Robert Crane | Santa Rosa. |
| Kate, three years old or over | H. E. Chapman | Petaluma. |
| Fanny, three years old or over | H. E. Chapman | Petaluma. |
| Susie, three years old or over | F. Roberts | Petaluma. |
| Nellie, under one year | H. E. Chapman | Petaluma. |

## SECOND DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS IX—SHORT HORNS—BULLS. | | |
| Sonoma Chief, three years old or over | John Lynch | Petaluma. |
| Duke, three years old or over | I. R. Jewell | Petaluma. |
| Mugwump, three years old or over | Wilfred Page | Penn's Grove. |
| Brindlebane, two years old | R. H. Crane | Petaluma. |
| Protector, two years old | Wilfred Page | Penn's Grove. |
| Rogue, two years old | Wilfred Page | Penn's Grove. |
| Hopkins, one year old | Robert Crane | Santa Rosa. |
| Little Pat, Jr., one year old | John Lynch | Petaluma. |
| Holdfast, one year old | Wilfred Page | Penn's Grove. |
| Belt, one year old | Wilfred Page | Penn's Grove. |
| The Parson, one year old | Wilfred Page | Penn's Grove. |
| Cheeseit, one year old | Wilfred Page | Penn's Grove. |
| Sonberry, one year old | Wilfred Page | Penn's Grove. |
| Princess, one year old | Wilfred Page | Penn's Grove. |
| Cherry Richardson, under one year | John Lynch | Petaluma. |
| Gilt Edge, under one year | Wilfred Page | Penn's Grove. |
| Pickrell, under one year | Wilfred Page | Penn's Grove. |
| To-morrow, under one year | Wilfred Page | Penn's Grove. |
| COWS. | | |
| Maita, three years old or over | Wilfred Page | Penn's Grove. |
| Belle Medico, three years old or over | Wilfred Page | Penn's Grove. |
| Henrietta Page, three years old or over | Wilfred Page | Penn's Grove. |
| Belle Strawberry, three years old or over | Wilfred Page | Penn's Grove. |
| Nymph, three years old or over | John Lynch | Petaluma. |
| Christmas Eve, two years old | Wilfred Page | Penn's Grove. |
| Enriquita, two years old | Wilfred Page | Penn's Grove. |
| Maud 4th, one year old | R. H. Crane | Petaluma. |
| Belle of the Oaks, one year old | Wilfred Page | Penn's Grove. |
| Goldnut, one year old | Wilfred Page | Penn's Grove. |
| Zulieka, one year old | Wilfred Page | Penn's Grove. |
| Triannela, under one year | Wilfred Page | Penn's Grove. |
| Sweet Milk, under one year | Wilfred Page | Penn's Grove. |
| CLASS X—HERDS AND SWEEPSTAKES. | | |
| Mugwump, bull two years old or over, and family | Wilfred Page | Penn's Grove. |
| Mugwump, bull of any age | Wilfred Page | Penn's Grove. |
| Holdfast, bull of any age | Wilfred Page | Penn's Grove. |
| Maita, cow of any age | Wilfred Page | Penn's Grove. |

SECOND DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XIX—HOLSTEINS—BULLS. | | |
| Oro Blanco, three years old or over | J. H. White | Lakeville. |
| Diamond Dick, two years old | E. Steiger | Sonoma. |
| Juneau, two years old | J. H. White | Lakeville. |
| Huachuca, two years old | J. H. White | Lakeville. |
| Halbert, one year old | J. H. White | Lakeville. |
| Laredo, one year old | J. H. White | Lakeville. |
| Leandro, one year old | J. H. White | Lakeville. |
| Montecito, under one year | J. H. White | Lakeville. |
| Lorenzo, under one year | J. H. White | Lakeville. |
| Deming, under one year | J. H. White | Lakeville. |
| Jesse James, under one year | A. L. Guerne | Glen Ellen. |
| COWS. | | |
| Annemie, three years old or over | J. H. White | Lakeville. |
| Winfredala, three years old or over | J. H. White | Lakeville. |
| Hoffmung, three years old or over | J. H. White | Lakeville. |
| Dagodine, three years old or over | J. H. White | Lakeville. |
| Wayward, three years old or over | J. H. White | Lakeville. |
| Annot Lyle, three years old or over | J. H. White | Lakeville. |
| Lupine, three years old or over | J. H. White | Lakeville. |
| Darkness, three years old or over | J. H. White | Lakeville. |
| Alvina, three years old or over | A. L. Guerne | Glen Ellen. |
| Lasquite, two years old | J. H. White | Lakeville. |
| Etchetah, two years old | J. H. White | Lakeville. |
| Brinhilda, one year old | J. H. White | Lakeville. |
| Caliente, one year old | J. H. White | Lakeville. |
| Minnie Wayward, one year old | J. H. White | Lakeville. |
| Eudora, under one year | J. H. White | Lakeville. |
| Chapala, under one year | J. H. White | Lakeville. |
| Willomina, under one year | J. H. White | Lakeville. |
| CLASS XX—HERD AND SWEEPSTAKES. | | |
| Oro Blanco, bull two years old or over; Annemie, cow three years old; Annot Lyle, cow three years old; Etchetah, cow two years old; Brinhilda, cow one year old; Eudora, heifer calf under one year. | J. H. White | Lakeville. |
| Juneau, bull two years old or over; Winfredala, cow three years old; Wayward, cow three years old; Lasquit, cow two years old; Caliente, cow one year old; Chapala, heifer calf under one year. | J. H. White | Lakeville. |
| Oro Blanco, bull of any age | J. H. White | Lakeville. |
| Juneau, bull of any age | J. H. White | Lakeville. |
| Huachuca, bull of any age | J. H. White | Lakeville. |
| Annemie, cow of any age | J. H. White | Lakeville. |
| Winfredala, cow of any age | J. H. White | Lakeville. |
| Wayward, cow of any age | J. H. White | Lakeville. |
| Lasquit, cow of any age | J. H. White | Lakeville. |
| CLASS XXI—JERSEYS AND GUERNSEYS—BULLS. | | |
| Wildflower, three years old or over | Hall Brothers | Petaluma. |
| Pert, three years old or over | D. S. Dickson | Petaluma. |
| Essex, one year old | P. L. McGill | Sonoma. |
| Sonoma Chief, calf under one year | P. L. McGill | Sonoma. |
| Jack, calf under one year | P. L. McGill | Sonoma. |
| COWS. | | |
| Juanita, three years old or over | P. L. McGill | Sonoma. |
| Sonoma, three years old or over | P. L. McGill | Sonoma. |
| Gazelle, two years old | Hall Brothers | Petaluma. |
| Adaline, two years old | P. L. McGill | Sonoma. |
| Eveline, two years old | P. L. McGill | Sonoma. |
| Pansy, one year old | Hall Brothers | Petaluma. |
| Etta, one year old | P. L. McGill | Sonoma. |
| Silverleaf, heifer calf under one year | Hall Brothers | Petaluma. |
| Dot, heifer calf under one year | P. L. McGill | Sonoma. |

SECOND DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XXII—HERD AND SWEEPSTAKES. | | |
| Wildwood, bull of any age | Hall Brothers | Petaluma. |
| Essex, bull of any age | P. L. McGill | Sonoma. |
| Gazelle, cow of any age | Hall Brothers | Petaluma. |
| Juanita, cow of any age | P. L. McGill | Sonoma. |
| Sonoma, cow of any age | P. L. McGill | Sonoma. |
| Eveline, cow of any age | P. L. McGill | Sonoma. |
| CLASS XXIII—AYRSHIRES—BULLS. | | |
| Lord Faxonia, two years old | George Bement | San Pablo. |
| Red Mikado, one year old | George Bement | San Pablo. |
| Hotspur, one year old | George Bement | San Pablo. |
| Express, calf under one year | George Bement | San Pablo. |
| COWS. | | |
| Marion, three years old or over | George Bement | San Pablo. |
| Sybilla, three years old or over | George Bement | San Pablo. |
| Ethelberta, two years old | George Bement | San Pablo. |
| Faxonia, one year old | George Bement | San Pablo |
| Highland Beauty, heifer calf under one year | George Bement | San Pablo. |
| CLASS XXIV—HERD AND SWEEPSTAKES. | | |
| Lord Faxonia, bull two years old or over and family | George Bement | San Pablo. |
| Lord Faxonia, bull of any age | George Bement | San Pablo. |
| Sybilla, cow of any age | George Bement | San Pablo. |
| CLASS XXV—GRADED CATTLE—COWS. | | |
| Lady Jane, three years old or over | J. Lynch | Petaluma. |
| Snow, three years old or over | Robert Crane | Santa Rosa. |
| Flora, two years old | J. Lynch | Petaluma. |
| Big Bertha, one year old | J. H. White | Lakeville. |
| Lillie, one year old | J. Lynch | Petaluma. |
| Constance, one year old | E. Steiger | Sonoma. |
| Claude Lee, heifer calf under one year | J. H. White | Lakeville. |
| Mabel, heifer calf under one year | J. Lynch | Sonoma. |

## THIRD DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XXX—SHEEP—SOUTH, SHROPSHIRE, OXFORD, AND HAMPSHIRE DOWNS. | | |
| Ram, two years old or over | Robert Crane | Santa Rosa. |
| Ram, two years old or over | R. H. Crane | Petaluma. |
| Ram, one year old | R. H. Crane | Petaluma. |
| Three ram lambs | Robert Crane | Santa Rosa. |
| Three ram lambs | R. H. Crane | Petaluma. |
| Three ewes, two years old or over | Robert Crane | Santa Rosa. |
| Three ewes, two years old or over | R. H. Crane | Petaluma. |
| Three ewes, one year old | R. H. Crane | Petaluma. |
| Three ewe lambs | Robert Crane | Santa Rosa. |
| Three ewe lambs | R. H. Crane | Petaluma. |
| CLASS XXXII—SWINE—POLAND-CHINA. | | |
| Boar, one year old or over | R. H. Crane | Petaluma. |
| Boar, six months old | R. H. Crane | Petaluma. |
| Sow, one year old or over | R. H. Crane | Petaluma. |
| Sow, six months old | R. H. Crane | Petaluma. |
| Sow, and five pigs under six months | R. H. Crane | Petaluma. |
| CLASS XXXIII—JERSEY RED OR DUROC. | | |
| Sow, one year old | Geo. Zimmerman | Petaluma. |

THIRD DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XXXIV—PURE BRED POULTRY. | | |
| Light Brahma fowls | R. H. Crane | Petaluma. |
| Light Brahma chicks | J. V. Hill | Petaluma. |
| Light Brahma chicks | R. H. Crane | Petaluma. |
| CLASS XXXVII. | | |
| Buff Cochin chicks | J. V. Hill | Petaluma. |
| CLASS XXXVIII. | | |
| Plymouth Rock fowls | J. Blackburn | Petaluma. |
| Plymouth Rock chicks | J. Blackburn | Petaluma. |
| CLASS XXXIX. | | |
| Wyandotte fowls | J. Blackburn | Petaluma. |
| Wyandotte chicks | J. Blackburn | Petaluma. |
| CLASS XLVIII. | | |
| Brown-Red Game fowls | J. Loranger | Petaluma. |
| Brown-Red Game fowls | O. Elmore | Petaluma. |
| Brown-Red Game chicks | O. Elmore | Petaluma. |
| CLASS XLIX. | | |
| Duckwing Game fowls | J. Loranger | Petaluma. |
| Duckwing Game fowls | O. Elmore | Petaluma. |
| Duckwing Game chicks | O. Elmore | Petaluma. |
| CLASS L. | | |
| Black-Breasted Game fowls | O. Elmore | Petaluma. |
| Black-Breasted Game chicks | O. Elmore | Petaluma. |
| Black-Breasted Game chicks | J. Loranger | Petaluma. |
| CLASS LI. | | |
| Bantam fowls | J. V. Hill | Petaluma. |
| Bantam fowls | R. H. Crane | Petaluma. |
| Bantam chicks | R. H. Crane | Petaluma. |
| CLASS LVI. | | |
| Rouen ducks | A. J. Christie | Stony Point. |
| CLASS LVII. | | |
| Pekin ducks | A. J. Christie | Stony Point. |
| CLASS LVIII. | | |
| Toulouse geese | R. H. Crane | Petaluma. |

## FOURTH DEPARTMENT.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| CLASS LXII—GRAIN, FLOUR, ETC. | | |
| Sheaf of barley, 100 heads | J. Bloom | Petaluma. |
| Sheaf of barley, 100 heads | T. C. Putman | Petaluma. |
| Sheaf of barley, 100 heads | N. Wiswell | Petaluma. |
| Sheaf of barley, 100 heads | D. F. Whitlatch | Petaluma. |
| Sack of common barley, 100 pounds | R. Andrews | Petaluma. |
| Sack of common barley, 100 pounds | H. E. Chapman | Petaluma. |
| Sack of common barley, 100 pounds | J. Lynch | Petaluma. |
| Sack of shelled white corn, 100 pounds | A. Weishand | Petaluma. |
| Sack of shelled white corn, 100 pounds | Robt. Crane | Santa Rosa. |
| Sack of shelled white corn, 100 pounds | N. Wiswell | Petaluma. |
| Sack of shelled yellow corn, 100 pounds | F. W. Stratton | Petaluma. |
| Ten ears of white corn | N. Wiswell | Petaluma. |
| Ten ears of white corn | J. Gossage | Petaluma. |
| Ten ears of yellow corn | A. Weishand | Petaluma. |
| Ten ears of yellow corn | J. Gossage | Petaluma. |
| Exhibit of corn on stalk | A. Weishand | Petaluma. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Exhibit of corn on stalk | A. Armstrong | Petaluma. |
| Exhibit of corn on stalk | R. Andrews | Petaluma. |
| Exhibit of corn on stalk | Robt. Crane | Santa Rosa. |
| Exhibit of corn on stalk | N. Wiswell | Petaluma. |
| Exhibit of corn on stalk | F. W. Stratton | Petaluma. |
| Exhibit of corn on stalk | J. Gossage | Petaluma. |
| Sack of corn meal | Winans & Son | Petaluma. |
| Sack of wheat flour | Golden Eagle Mills | Petaluma. |
| Sheaf of white or black oats, 100 heads | R. Andrews | Petaluma. |
| Sheaf of white or black oats, 100 heads | J. Bloom | Petaluma. |
| Sheaf of white or black oats, 100 heads | I. R. Jewell | Petaluma. |
| Sheaf of white or black oats, 100 heads | P. Mullally | Bloomfield. |
| Sack of black oats, 100 pounds | R. Andrews | Petaluma. |
| Sack of rye, 100 pounds | J. Bloom | Petaluma. |
| Sack of large white wheat | C. S. Gibson | Petaluma. |
| Sack of large white wheat | R. Andrews | Petaluma. |
| Sack of large white wheat | Robt. Crane | Santa Rosa. |
| Sack of large white wheat | O. Elmore | Petaluma. |
| Sack of large white wheat | J. Lynch | Petaluma. |
| Sack of club wheat | A. Jackson | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | A. Weishand | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | C. S. Gibson | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | R. Andrews | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | J. Bloom | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | T. C. Putman | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | D. F. Whitlatch | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | A. Jackson | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | C. D. Grover | Petaluma. |
| Sheaf of wheat, any variety, 100 heads | A. Higgins | Petaluma. |
| CLASS LXIII—VEGETABLES, ROOTS, ETC. | | |
| Six blood beets | T. C. Putman | Petaluma. |
| Six blood beets | H. E. Chapman | Petaluma. |
| Six blood beets | R. Andrews | Petaluma. |
| Exhibit of sugar beets | E. H. Cheeney | Bodega. |
| Exhibit of beans, three varieties | A. Armstrong | Petaluma. |
| Exhibit of beans, three varieties | E. H. Cheeney | Bodega. |
| Exhibit of beans, three varieties | R. Andrews | Petaluma. |
| Exhibit of carrots | A. Weishand | Petaluma. |
| Exhibit of carrots | E. H. Cheeney | Bodega. |
| Exhibit of carrots | R. Andrews | Petaluma. |
| Exhibit of carrots | N. Wiswell | Petaluma. |
| Exhibit of carrots | C. Hawkins | Geyserville. |
| Exhibit of cabbage, five heads | A. Weishand | Petaluma. |
| Exhibit of cabbage, five heads | E. H. Cheeney | Bodega. |
| Exhibit of cabbage, five heads | C. Hawkins | Geyserville. |
| Exhibit of cultivated grass seed | R. Andrews | Petaluma. |
| Exhibit of cultivated grass seed | J. Bloom | Petaluma. |
| Exhibit of mangel-wurzel beets | Robert Crane | Santa Rosa. |
| Exhibit of mangel-wurzel beets | T. C. Putman | Petaluma. |
| Exhibit of mangel-wurzel beets | H. E. Chapman | Petaluma. |
| Exhibit of mangel-wurzel beets | C. Hawkins | Geyserville. |
| Exhibit of onions | A. Wieshand | Petaluma. |
| Exhibit of onions | N. Wiswell | Petaluma. |
| Exhibit of onions | C. Hawkins | Geyserville. |
| Collection of potatoes, five varieties | A. Armstrong | Petaluma. |
| Collection of potatoes, five varieties | E. H. Cheeney | Bodega. |
| Collection of potatoes, five varieties | P. Mullally | Bloomfield. |
| Collection of potatoes, five varieties | C. Hawkins | Geyserville. |
| Single variety of potatoes | Volkert Bros. | Petaluma. |
| Single variety of potatoes | R. Andrews | Petaluma. |
| Single variety of potatoes | P. Mullally | Bloomfield. |
| Single variety of potatoes | C. Hawkins | Geyserville. |
| Single variety of sweet potatoes | R. Ferguson | Santa Rosa. |
| Exhibit of parsnips | N. Wiswell | Petaluma. |
| Exhibit of pieplant | R. Andrews | Petaluma. |
| Exhibit of pieplant | S. E. Jameson | Petaluma. |
| Exhibit of pumpkins | A. Wieshand | Petaluma. |
| Exhibit of pumpkins | R. Andrews | Petaluma. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Exhibit of pumpkins | J. Gossage | Petaluma. |
| Exhibit of rutabagas | J. Bloom | Petaluma. |
| Exhibit of squashes | E. H. Cheeney | Bodega. |
| Exhibit of squashes | R. Andrews | Petaluma. |
| Exhibit of squashes | I. R. Jewell | Petaluma. |
| Exhibit of squashes | T. C. Putman | Petaluma. |
| Exhibit of squashes | N. Wiswell | Petaluma. |
| Exhibit of squashes | F. W. Stratton | Petaluma. |
| Exhibit of squashes | C. Hawkins | Geyserville. |
| Exhibit of turnips | R. Andrews | Petaluma. |
| Exhibit of turnips | J. Bloom | Petaluma. |
| Exhibit of turnips | N. Wiswell | Petaluma. |
| Exhibit of turnips | D. F. Whitlatch | Petaluma. |
| Exhibit of turnips | C. Hawkins | Geyserville. |
| Display of products raised by one person on one farm | A. Armstrong | Petaluma. |
| Display of products raised by one person on one farm | R. Andrews | Petaluma. |
| Display of products raised by one person on one farm | N. Wiswell | Petaluma. |
| Display of products raised by one person on one farm | C. Hawkins | Petaluma. |
| CLASS LXIV—FRUITS, GRAPES, NUTS, ETC. | | |
| Largest and best collection raised in one orchard | B. A. Parks | Petaluma. |
| Largest and best collection raised in one orchard | W. J. Winans | Petaluma. |
| Largest and best collection raised in one orchard | J. Merritt | Petaluma. |
| Exhibit of apples | E. H. Cheeney | Bodega. |
| Exhibit of apples | R. Crane | Santa Rosa. |
| Exhibit of apples | B. A. Parks | Petaluma. |
| Exhibit of apples | W. J. Winans | Petaluma. |
| Exhibit of apples | R. Andrews | Petaluma. |
| Exhibit of apples | J. Merritt | Petaluma. |
| Single variety of six apples | C. S. Gibson | Petaluma. |
| Single variety of six apples | Mrs. S. C. Pierce | Petaluma. |
| Single variety of six apples | B. A. Parks | Petaluma. |
| Single variety of six apples | W. J. Winans | Petaluma. |
| Single variety of six apples | A. Higgins | Petaluma. |
| Single variety of six apples | R. Andrews | Petaluma. |
| Single variety of six apples | J. Merritt | Petaluma. |
| Single variety of six apples | J. Adams | Santa Rosa. |
| Single variety of six apples | A. Woodworth | Tomales. |
| Six varieties of six apples | B. A. Parks | Petaluma. |
| Six varieties of six apples | W. J. Winans | Petaluma. |
| Six varieties of six apples | J. Merritt | Petaluma. |
| Six varieties of six apples | J. Adams | Santa Rosa. |
| Collection of pears | E. H. Cheeney | Bodega. |
| Collection of pears | Robert Crane | Santa Rosa. |
| Collection of pears | B. A. Parks | Petaluma. |
| Collection of pears | J. H. Drummond | Glen Ellen. |
| Single variety of six pears | C. S. Gibson | Petaluma. |
| Single variety of six pears | T. C. Putman | Petaluma. |
| Single variety of six pears | A. Jackson | Petaluma. |
| Single variety of six pears | B. A. Parks | Petaluma. |
| Single variety of six pears | A. Higgins | Petaluma. |
| Single variety of six pears | R. Andrews | Petaluma. |
| Single variety of six pears | J. H. Drummond | Glen Ellen. |
| Single variety of six pears | J. Adams | Santa Rosa. |
| Exhibit of peaches | Robert Crane | Santa Rosa. |
| Exhibit of peaches | B. A. Parks | Petaluma. |
| Exhibit of peaches | J. Merritt | Petaluma. |
| Single variety of six peaches | N. Wiswell | Petaluma. |
| Single variety of six peaches | Mrs. S. C. Pierce | Petaluma. |
| Single variety of six peaches | R. Andrews | Petaluma. |
| Single variety of six peaches | J. Merritt | Petaluma. |
| Exhibit of plums | E. H. Cheeney | Bodega. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Exhibit of plums | Mrs. S. C. Pierce | Petaluma. |
| Exhibit of plums | B. A. Parks | Petaluma. |
| Exhibit of plums | F. F. Ennis | Petaluma. |
| Exhibit of plums | J. Merritt | Petaluma. |
| Exhibit of plums | J. H. Drummond | Glen Ellen. |
| Exhibit of plums | J. Adams | Santa Rosa. |
| Single variety of plums | B. A. Parks | Petaluma. |
| Single variety of plums | R. Andrews | Petaluma. |
| Single variety of plums | F. F. Ennis | Petaluma. |
| Single variety of plums | J. Merritt | Petaluma. |
| Single variety of plums | J. Adams | Santa Rosa. |
| Six quinces | E. H. Cheeney | Bodega. |
| Six quinces | C. S. Gibson | Petaluma. |
| Six quinces | Mrs. S. C. Pierce | Petaluma. |
| Six quinces | B. A. Parks | Petaluma. |
| Six quinces | A. Higgins | Petaluma. |
| Six quinces | R. Andrews | Petaluma. |
| Six quinces | J. Merritt | Petaluma. |
| Exhibit of prunes | F. F. Ennis | Petaluma. |
| Exhibit of prunes | J. Adams | Santa Rosa. |
| Single variety of prunes | F. F. Ennis | Petaluma. |
| Single variety of prunes | J. Adams | Santa Rosa. |
| Exhibit of nectarines | B. A. Parks | Petaluma. |
| Exhibit of nectarines | J. H. Drummond | Glen Ellen. |
| Largest and best collection of grapes raised from one vineyard | J. H. Drummond | Glen Ellen. |
| Exhibit of foreign grapes | Robert Crane | Santa Rosa. |
| Exhibit of foreign grapes | J. H. Drummond | Glen Ellen. |
| Collection of almonds | Mrs. S. C. Pierce | Petaluma. |
| Collection of almonds | B. A. Parks | Petaluma. |
| Collection of almonds | R. Andrews | Petaluma. |
| Collection of peanuts | A. Armstrong | Petaluma. |
| Collection of English walnuts | Mrs. S. C. Pierce | Petaluma. |
| Collection of English walnuts | J. Adams | Santa Rosa. |
| Exhibit of watermelons | A. Armstrong | Petaluma. |
| Exhibit of watermelons | E. R. Charles | Petaluma. |
| Exhibit of watermelons | R. Andrews | Petaluma. |
| Exhibit of muskmelons | A. Armstrong | Petaluma. |
| Exhibit of muskmelons | N. Wiswell | Petaluma. |
| Exhibit of muskmelons | E. R. Charles | Petaluma. |
| Exhibit of muskmelons | J. Adams | Santa Rosa. |
| Exhibit of cantaloupe melons | C. S. Gibson | Petaluma. |
| Exhibit of cantaloupe melons | E. R. Charles | Petaluma. |
| Exhibit of cantaloupe melons | J. Adams | Santa Rosa. |
| CLASS LXV—PRESERVED FRUITS, ETC. | | |
| Exhibit of kiln-dried fruits, five varieties | J. H. Hunt | Sebastopol. |
| Exhibit of sun-dried fruits, five varieties | B. A. Parks | Petaluma. |
| Exhibit of kiln-dried apples | J. H. Hunt | Sebastopol. |
| Exhibit of sun-dried apples | B. A. Parks | Petaluma. |
| Exhibit of kiln-dried peaches | J. H. Hunt | Sebastopol. |
| Exhibit of sun-dried peaches | B. A. Parks | Petaluma. |
| Exhibit of kiln-dried plums | J. H. Hunt | Sebastopol. |
| Exhibit of sun-dried plums | B. A. Parks | Petaluma. |
| Exhibit of dried plums, seeded | J. H. Hunt | Sebastopol. |
| Exhibit of sun-dried prunes | B. A. Parks | Petaluma. |
| Exhibit of canned fruits | Mrs. L. G. Nay | Petaluma. |
| Exhibit of jellies | Mrs. A. Roseburgh | Petaluma. |
| Exhibit of jellies | Mrs. L. G. Nay | Petaluma. |
| Exhibit of jellies | Mrs. F. Andrews | Petaluma. |
| Exhibit of jellies | Miss M. Risk | Petaluma. |
| Exhibit of preserves | Mrs. L. G. Nay | Petaluma. |
| Exhibit of pickles | Mrs. L. G. Nay | Petaluma. |
| Exhibit of pickles | Mrs. S. E. Jameson | Petaluma. |
| Exhibit of pickles | Mrs. L. H. Patty | Petaluma. |

FOURTH DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| CLASS LXVI—BUTTER, CHEESE, HAM, BACON, AND HONEY. | | |
| Ten rolls of fresh butter | E. H. Cheeney | Bodega. |
| Ten rolls of fresh butter | J. Bloom | Petaluma. |
| Ten rolls of fresh butter | I. R. Jewell | Petaluma. |
| Ten rolls of fresh butter | Volkert Bros. | Petaluma. |
| Ten rolls of fresh butter | J. W. Lawrence | Tomales. |
| Ten rolls of fresh butter | C. Martin | Petaluma. |
| Ten rolls of fresh butter | A. C. Johnston | Hamlet. |
| Ten rolls of fresh butter | G. W. Ormsby | Petaluma. |
| Ten rolls of fresh butter | W. M. Dickson | Petaluma. |
| Ten rolls of fresh butter | M. Jarvis | Petaluma. |
| Ten rolls of fresh butter | D. S. Dickson | Petaluma. |
| Ten rolls of fresh butter | A. Woodworth | Tomales. |
| Exhibit of hams | Robt. Crane | Santa Rosa. |
| Exhibit of bacon | Robt. Crane | Santa Rosa. |
| Exhibit of new cheese | I. R. Jewell | Petaluma. |
| Exhibit of new cheese | Hall Bros. | Petaluma. |
| Exhibit of cheese one year old | Hall Bros. | Petaluma. |
| Exhibit of cream cheese | Hall Bros. | Petaluma. |
| Exhibit of cream cheese | I. R. Jewell | Petaluma. |
| Exhibit of cream cheese | L. Cantel | Petaluma. |
| Largest variety of cheese | I. R. Jewell | Petaluma. |
| Largest variety of cheese | Hall Bros. | Petaluma. |
| Exhibit of comb honey | Mrs. L. H. Patty | Petaluma. |
| CLASS LXVIII—WINES, CIDER, ALE, ETC. | | |
| Exhibit of wines | I. De Turk | Santa Rosa. |
| Exhibit of wines | J. H. Drummond | Glen Ellen. |
| Exhibit of wines | J. L. Watson | Sonoma. |
| Exhibit of port wine | I. De Turk | Santa Rosa. |
| Exhibit of red wine | Mrs. L. H. Patty | Petaluma. |
| Exhibit of red wine | I. De Turk | Santa Rosa. |
| Exhibit of red wine | J. H. Drummond | Glen Ellen. |
| Exhibit of red wine | J. L. Watson | Sonoma. |
| Exhibit of red wine | E. Maller | Healdsburg. |
| Exhibit of white wine | Mrs. L. H. Patty | Petaluma. |
| Exhibit of blackberry wine | I. De Turk | Santa Rosa. |
| Exhibit of blackberry wine | J. H. Drummond | Glen Ellen. |
| Exhibit of blackberry wine | J. L. Watson | Sonoma. |
| Exhibit of blackberry brandy | Mrs. L. H. Patty | Petaluma. |
| Exhibit of brandy | I. De Turk | Santa Rosa. |
| Exhibit of blackberry cordial | Mrs. L. H. Patty | Petaluma. |
| CLASS LXIX—TOWNSHIP EXHIBITS. | | |
| Vallejo Township | Wiswell & Gibson | Petaluma. |
| Petaluma Township | Andrews & Merritt | Petaluma. |
| Sonoma Township | J. H. Drummond | Glen Ellen. |
| Santa Rosa Township | J. Adams | Santa Rosa. |

## FIFTH DEPARTMENT.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| CLASS LXX—AGRICULTURAL IMPLEMENTS, HARDWARE, ETC. | | |
| Sidehill plow | R. F. Thomas | Sonoma. |
| Churn | Rodd & Camm | Petaluma. |
| Model fruit drier | J. W. Cassidy | Petaluma. |
| Exhibit of dairy utensils | Rodd & Camm | Petaluma. |
| CLASS LXXI—CARRIAGES, BUGGIES, AND WAGONS. | | |
| Exhibit of carriages, buggies, and wagons | Wm. Zartman & Co. | Petaluma. |
| Top buggy | Wm. Zartman & Co. | Petaluma. |
| Two-wheeled cart | E. Hopes | Petaluma. |

FIFTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Two-wheeled cart | Wm. Zartman & Co. | Petaluma. |
| Two-wheeled cart | D. W. C. Putman | Petaluma. |
| Spring wagon | E. Hopes | Petaluma. |
| Spring wagon | Wm. Zartman & Co. | Petaluma. |
| Carriage trimming | Ellsworth & Northrup | Petaluma. |
| CLASS LXXII—SADDLERY AND HARNESS. | | |
| Exhibit of saddlery | Ellsworth & Northrup | Petaluma. |
| Set of double harness, light | Ellsworth & Northrup | Petaluma. |
| Set of single harness, light | Ellsworth & Northrup | Petaluma. |
| Saddle | Ellsworth & Northrup | Petaluma. |
| Set of double work harness | Ellsworth & Northrup | Petaluma. |
| Exhibit of boots, etc. | Ellsworth & Northrup | Petaluma. |
| CLASS LXXIII—MISCELLANEOUS EXHIBITS OF DISTRICT MANUFACTURE AND HANDIWORK. | | |
| Exhibit of upholstery | Ellsworth & Son | Petaluma. |
| Exhibit of blacksmithing | E. Hopes | Petaluma. |
| Exhibit of blacksmithing | Wm. Zartman & Co. | Petaluma. |
| Exhibit of boots and shoes | Hale Bros. | Petaluma. |
| Exhibit of boots and shoes | W. J. Palmer | Petaluma. |
| Exhibit of samples silk culture | L. Stockdale | Petaluma. |
| Exhibit of bookbinding | J. A. Cowen | Petaluma. |
| Exhibit of brooms | T. H. Cheeney | Petaluma. |
| Washing machine | N. King | Petaluma. |
| Model gate | L. J. Johnson | Petaluma. |
| Chairs | Ellsworth & Son | Petaluma. |
| Exhibit of wood turning | Rodd & Camm | Petaluma. |
| Exhibit of soap | S. E. Jameson | Petaluma. |
| Exhibit of planing mill work | Rodd & Camm | Petaluma. |
| CLASS LXXIV—SWEEPSTAKES. | | |
| Exhibit of groceries | Winans & Son | Petaluma. |
| Exhibit of dry goods | Hale Bros. | Petaluma. |
| Exhibit of silverware | L. F. Ellsworth & Co. | Petaluma. |
| Exhibit of shelf hardware | Bauer & Co. | Petaluma. |
| Exhibit of agricultural implements | Bauer & Co. | Petalnma. |
| Exhibit of furniture | Ellsworth & Son | Petaluma. |
| Exhibit of pianos and organs | F. W. Spencer & Co. | San Francisco. |

## SIXTH DEPARTMENT.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| CLASS LXXV—EMBROIDERY, NEEDLEWORK, SEWING, KNITTING, ETC. | | |
| Specimen of needlework, ten varieties | Mrs. C. Northrup | Petaluma. |
| Specimen of needlework, ten varieties | Miss J. Perry | Petaluma. |
| Specimen of needlework, ten varieties | Mrs. F. W. Perry | Petaluma. |
| Specimen of needlework, ten varieties | Miss Nettie Brown | Petaluma. |
| Exhibit of family machine sewing | Mrs. L. G. Nay | Petaluma. |
| Exhibit of family machine sewing | Miss E. Houx | Petaluma. |
| Silk embroidery on silk or velvet | Mrs. F. B. Perry | Petaluma. |
| Silk embroidery on silk or velvet | Miss J. Perry | Petaluma. |
| Silk embroidery on silk or velvet | Mrs. F. W. Perry | Petaluma. |
| Silk embroidery on silk or velvet | Mrs. G. W. Davis | Petaluma. |
| Silk embroidery on silk or velvet | Miss K. Weston | Petaluma. |
| Cotton embroidery | Mrs. F. B. Perry | Petaluma. |
| Cotton embroidery | Mrs. F. W. Perry | Petaluma. |
| Cotton embroidery | Miss K. Weston | Petaluma. |
| Cotton embroidery | Miss E. Houx | Petaluma. |
| Cotton embroidery | Mrs. B. M. Button | Petaluma. |
| Embroidery on lace | Mrs. F. B. Perry | Petaluma. |
| Embroidery on lace | Miss J. Perry | Petaluma. |
| Point lace work | Miss N. Brown | Petaluma. |
| Point lace work | Miss Julia Ormsby | Petaluma. |

SIXTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| Etching | Mrs. C. Northrup | Petaluma. |
| Etching | Mrs. S. C. Pierce | Petaluma. |
| Etching | Miss L. Stockdale | Petaluma. |
| Etching | Miss K. Weston | Petaluma. |
| Etching | Miss N. Brown | Petaluma. |
| Etching | Miss E. Houx | Petaluma. |
| Etching | Miss J. Ormsby | Petaluma. |
| Etching | Miss A. Vestal | Petaluma. |
| Embroidered sofa cushion | Mrs. C. Northrup | Petaluma. |
| Embroidered wall panel | Mrs. C. Northrup | Petaluma. |
| Kensington work in chenille | Mrs. C. Northrup | Petaluma. |
| Kensington work in crewel | Mrs. C. Northrup | Petaluma. |
| Kensington work in silk | Mrs. C. Northrup | Petaluma. |
| Crochet work in cotton | Miss K. Bryan | Petaluma. |
| Crochet work in cotton | Miss L. Stockdale | Petaluma. |
| Crochet work in cotton | Miss E. Cantell | Petaluma. |
| Crochet work in cotton | Miss J. Ormsby | Petaluma. |
| Spanish lace | Miss E. Houx | Petaluma. |
| Transferred work | Miss K. Weston | Petaluma. |
| Crazy silk patchwork | Mrs. C. Northrup | Petaluma. |
| Crazy silk patchwork | Miss K. Bryan | Petaluma. |
| Crazy silk patchwork | Mrs. J. Scott | Petaluma. |
| Crazy silk patchwork | Mrs. G. B. Davis | Petaluma. |
| Crazy silk patchwork | Miss N. Brown | Petaluma. |
| Crazy silk patchwork | Miss J. Ormsby | Petaluma. |
| Crazy silk patchwork | Mrs. J. E. Merrett | Petaluma. |
| Crazy silk patchwork | Miss A. Vestal | Petaluma. |
| Lambrequin | Mrs. C. Northrup | Petaluma. |
| Lambrequin | Miss N. Brown | Petaluma. |
| Lambrequin | Miss M. Scott | Petaluma. |
| Arrasene work | Mrs. C. Northrup | Petaluma. |
| Arrasene work | Miss N. Brown | Petaluma. |
| Ribbon work | Mrs. C. Northrup | Petaluma. |
| Couching | Mrs. C. Northrup | Petaluma. |
| Couching | Miss K. Weston | Petaluma. |
| Afghan | Mrs. S. C. Pierce | Petaluma. |
| Afghan | Mrs. A. B. Derby | Petaluma. |
| Afghan | Mrs. S. Sperry | Petaluma. |
| Afghan | Miss L. Cox | Petaluma. |
| Toilet set | Mrs. C. Northrup | Petaluma. |
| Ottoman cover | Mrs. C. Northrup | Petaluma. |
| Crochet shawl | Mrs. H. P. Brainerd | Petaluma. |
| Tatting | Miss J. Ormsby | Petaluma. |
| Netting | Mrs. F. B. Perry | Petaluma. |
| Netting | Mrs. G. B. Davis | Petaluma. |
| Hand-knit underwear | Miss E. Houx | Petaluma. |
| Hearth rug | Mrs. S. Sperry | Petaluma. |
| Hearth rug | Miss L. Vestal | Petaluma. |
| Pair of stockings, woolen or cotton | Mrs. F. B. Perry | Petaluma. |
| Pair of stockings, woolen or cotton | Miss J. Perry | Petaluma. |
| Pair of stockings, woolen or cotton | Mrs. F. W. Perry | Petaluma. |
| Pair of stockings, woolen or cotton | Mrs. W. A. Lewis | Petaluma. |
| Table scarf | Mrs. C. Northrup | Petaluma. |
| Table scarf | Miss N. Brown | Petaluma. |
| Table scarf | Miss A. Vestal | Petaluma. |
| Piece of fancy knitting | Mrs. F. B. Perry | Petaluma. |
| Piece of fancy knitting | Mrs. E. Doda | Petaluma. |
| Piece of fancy knitting | Mrs. F. W. Perry | Petaluma. |
| Piece of fancy knitting | Mrs W. A. Lewis | Petaluma. |
| Piece of fancy knitting | Mrs. A. B. Derby | Petaluma. |
| Knit quilt | Mrs. E. Doda | Petaluma. |
| Silk quilt | Miss K. Weston | Petaluma. |
| Quilting | Miss J. Ormsby | Petaluma. |
| Baby's dress | Mrs. G. C. Young | Petaluma. |
| Baby's dress | Miss J. Ormsby | Petaluma. |
| Gent's shirt | Miss E. Houx | Petaluma. |
| Patchwork | Mrs. J. E. Merritt | Petaluma. |
| Rag carpet | Mrs. B. M. Button | Petaluma. |

SIXTH DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| CLASS LXXVI—BREAD, CAKE, ETC. | | |
| Wheat bread | Miss J. S. Gibson | Petaluma. |
| Wheat bread | Miss G. Hamilton | Petaluma. |
| Wheat bread | Mrs. J. Campbell | Petaluma. |
| Wheat bread | Mrs. M. Carey | Petaluma. |
| Wheat bread | Miss A. Waters | Petaluma. |
| Wheat bread | Mrs. A. B. Derby | Petaluma. |
| Wheat bread | Miss E. Mooney | Petaluma. |
| Wheat bread | Mrs. H. P. Brainerd | Petaluma. |
| Wheat bread | Miss E. Houx | Petaluma. |
| Wheat bread | Miss B. Blume | Petaluma. |
| Wheat bread | Miss I. Walker | Petaluma. |
| Wheat bread | Miss A. Haskins | Petaluma. |
| Wheat bread | Miss M. Risk | Petaluma. |
| Boston brown bread | Miss J. L. Gibson | Petaluma. |
| Boston brown bread | Mrs. M. Carey | Petaluma. |
| Boston brown bread | Miss A. Waters | Petaluma. |
| Boston brown bread | Mrs. A. B. Derby | Petaluma. |
| Boston brown bread | Mrs. H. P. Brainerd | Petaluma. |
| Boston brown bread | Miss E. Houx | Petaluma. |
| Boston brown bread | Miss B. Blume | Petaluma. |
| Boston brown bread | Miss A. Haskins | Petaluma. |
| Boston brown bread | Mrs. F. Cassidy | Petaluma. |
| Corn bread | Miss J. L. Gibson | Petaluma. |
| Corn bread | Mrs. M. Carey | Petaluma. |
| Corn bread | Miss A. Waters | Petaluma. |
| Corn bread | Mrs. A. B. Derby | Petaluma. |
| Corn bread | Miss E. Houx | Petaluma. |
| Corn bread | Miss B. Blume | Petaluma. |
| Corn bread | Miss A. Haskins | Petaluma. |
| Fruit cake | Miss J. L. Gibson | Petaluma. |
| Fruit cake | Mrs. M. Carey | Petaluma. |
| Fruit cake | Miss E. Mooney | Petaluma. |
| Fruit cake | Miss E. Houx | Petaluma. |
| Fruit cake | Miss B. Blume | Petaluma. |
| Fruit cake | Mrs. L. H. Patty | Petaluma. |
| Fruit cake | Miss A. Haskins | Petaluma. |
| Pound cake | Miss J. L. Gibson | Petaluma. |
| Pound cake | Mrs. M. Carey | Petaluma. |
| Pound cake | Mrs. A. B. Derby | Petaluma. |
| Pound cake | Miss B. Blume | Petaluma. |
| Pound cake | Miss I. Walker | Petaluma. |
| Pound cake | Miss A. Haskins | Petaluma. |
| Pound cake | Miss M. Risk | Petaluma. |
| Pound cake | Miss E. Houx | Petaluma. |
| Sponge cake | Miss J. L. Gibson | Petaluma. |
| Sponge cake | Mrs. J. Campbell | Petaluma. |
| Sponge cake | Mrs. M. Carey | Petaluma. |
| Sponge cake | Miss E. Mooney | Petaluma. |
| Sponge cake | Mrs. H. P. Brainerd | Petaluma. |
| Sponge cake | Miss B. Blume | Petaluma. |
| Sponge cake | Miss I. Walker | Petaluma. |
| Sponge cake | Miss A. Haskins | Petaluma. |
| Coffee cake | Miss J. L. Gibson | Petaluma. |
| Coffee cake | Mrs. J. Campbell | Petaluma. |
| Coffee cake | Mrs. M. Carey | Petaluma. |
| Coffee cake | Miss E. Houx | Petaluma. |
| Coffee cake | Miss B. Blume | Petaluma. |
| Coffee cake | Miss I. Walker | Petaluma. |
| Coffee cake | Miss A. Haskins | Petaluma. |
| Coffee cake | Mrs. F. Cassidy | Petaluma. |
| Coffee cake | Miss M. Risk | Petaluma. |
| Assortment of tarts | Miss J. L. Gibson | Petaluma. |
| Assortment of tarts | Mrs. H. P. Brainerd | Petaluma. |
| Assortment of tarts | Miss E. Houx | Petaluma. |
| Assortment of tarts | Miss B. Blume | Petaluma. |
| Assortment of tarts | Miss A. Haskins | Petaluma. |

SIXTH DEPARTMENT—Continued.

| Articles Exhibited. | Exhibitor. | Address. |
|---|---|---|
| SPECIAL PREMIUM.* | | |
| Best general exhibit, in class seventy-six, by one person | Miss J. L. Gibson | Petaluma. |
| Best general exhibit, in class seventy-six, by one person | Miss E. Houx | Petaluma. |
| Best general exhibit, in class seventy-six, by one person | Miss B. Blume | Petaluma. |
| Best general exhibit, in class seventy-six, by one person | Miss A. Haskins | Petaluma. |
| CLASS LXXVII—FOR CHILDREN UNDER FOURTEEN YEARS OF AGE. | | |
| Exhibit of plain sewing | Lillian Lewis | Petaluma. |
| Exhibit of plain sewing | M. Blume | Petaluma. |
| Exhibit of needlework, three pieces | L. Lewis | Petaluma. |
| Exhibit of needlework, three pieces | M. Blume | Petaluma. |
| Worsted embroidery | D. Fairbanks | Petaluma. |
| Silk embroidery | D. Fairbanks | Petaluma. |
| Crochet work | L. Lewis | Petaluma. |
| Crochet work | M. Blume | Petaluma. |
| Crochet work | C. Burkland | Petaluma. |
| Knitting | J. Perry | Petaluma. |
| Knitting | L. Lewis | Petaluma. |
| Darning | M. Cassidy | Petaluma. |
| Etching | L. Lewis | Petaluma. |
| Etching | E. Gilbert | Petaluma. |
| Etching | M. Blume | Petaluma. |
| Crazy patchwork | G. R. Maynard | Petaluma. |
| Pencil drawing | G. R. Maynard | Petaluma. |
| Pencil drawing | M. Weishand | Petaluma. |
| Crayon drawing | G. R. Maynard | Petaluma. |
| Specimen of penmanship | G. Hamilton | Petaluma. |
| Specimen of penmanship | Walter Knapp | Bloomfield. |
| Specimen of penmanship | H. Campbell | Petaluma. |
| White bread | J. Gibson | Petaluma. |
| White bread | C. Gibson | Petaluma. |
| White bread | J. L. Gibson | Petaluma. |
| Sponge cake | G. Hamilton | Petaluma. |
| Sponge cake | J. L. Gibson | Petaluma. |
| Sponge cake | L. Dickson | Petaluma. |
| Sponge cake | E. Gilbert | Petaluma. |
| Pound cake | J. L. Gibson | Petaluma. |
| Fruit cake | J. L. Gibson | Petaluma. |
| Exhibit of mechanical skill and workmanship | C. Trueholtz | Petaluma. |
| Exhibit of mechanical skill and workmanship | V. Pozzi | Petaluma. |
| Painting | Lona Mizner | Petaluma. |
| Painting | Paul Sperry | Petaluma. |
| Most tastily made calico dress | M. Blume | Petaluma. |
| Largest variety of eggs | M. Hunt | Petaluma. |
| Largest variety of eggs | C. Trueholtz | Petaluma. |
| CLASS LXXVIII—PAINTING, ORNAMENTAL WORK, ETC. | | |
| Collection of paintings | Miss F. Thompson | Petaluma. |
| Collection of paintings | Mrs. J. Campbell | Petaluma. |
| Collection of paintings | Mrs. S. R. Jewell | Santa Rosa. |
| Collection of paintings | Miss E. Brown | Petaluma. |
| Painting in oil on canvas | Mrs. N. Gould | Petaluma. |
| Painting in oil on canvas | Miss F. Thompson | Petaluma. |
| Painting in oil on canvas | Mrs. S. R. Jewell | Santa Rosa. |
| Painting in oil on canvas | Miss E. Brown | Petaluma. |
| Painting in oil on canvas | Miss M. E. Brown | Petaluma. |
| Painting in oil on satin | Miss E. Brown | Petaluma. |
| Portrait painting | E. R. Healy | Santa Rosa. |
| Painting in water colors | Mrs. J. Campbell | Petaluma. |

*Special premium by the President, J. H. White, open to young ladies between fifteen and twenty years of age.

SIXTH DEPARTMENT—Continued.

| Articles Exhibited. | EXHIBITOR. | Address. |
|---|---|---|
| Landscape painting | Mrs. N. Gould | Petaluma. |
| Landscape painting | Mrs. S. R. Jewell | Santa Rosa. |
| Landscape painting | Miss E. Brown | Petaluma. |
| Floral painting | Mrs. N. Gould | Petaluma. |
| Floral painting | Mrs. S. R. Jewell | Santa Rosa. |
| Floral painting | Miss E. Brown | Petaluma. |
| Animal painting | Mrs. N. Gould | Petaluma. |
| Animal painting | Mrs. S. R. Jewell | Santa Rosa. |
| Animal painting | Miss I. Walker | Petaluma. |
| Animal painting | Mrs. H. L. Weston | Petaluma. |
| Porcelain painting | Miss S. Jewell | Petaluma. |
| Kensington painting | Miss A. Vestal | Petaluma. |
| Kensington painting | Miss M. Scott | Petaluma. |
| Lustro painting | Mrs. J. Campbell | Petaluma. |
| Lustro painting | Miss A. Vestal | Petaluma. |
| Pencil drawing | Miss I. Walker | Petaluma. |
| Crayon drawing | E. R. Healy | Santa Rosa. |
| Crayon drawing | Mrs. P. B. Gilbert | Petaluma. |
| Crayon drawing | Miss W. Kuffle | Petaluma. |
| Crayon drawing | Miss A. J. Brown | Petaluma. |
| Sketching from nature | Miss G. R. Maynard | Petaluma. |
| Sketching from nature | Mrs. S. R. Jewell | Santa Rosa. |
| Sketching from nature | Miss W. Kuffle | Petaluma. |
| Sketching from nature | Miss I. Walker | Petaluma. |
| Feather work | Miss J. Perry | Petaluma. |
| Feather work | Miss A. Vestal | Petaluma. |
| CLASS LXXIX—PLANTS, BOUQUETS, ETC. | | |
| Collection of trees, shrubs, and flowering plants | W. A. Reinholdt | Petaluma. |
| Collection of trees, shrubs, and flowering plants | Mrs. G. Burdell | Petaluma. |
| Exhibit of hardy evergreen trees and shurbs for garden | W. A. Reinholdt | Petaluma. |
| Exhibit of semi-tropic fruit trees in fruit | Mrs. G. Burdell | Petaluma. |
| Exhibit of flowering roses in pots | W. A. Reinholdt | Petaluma. |
| Miniature garden with growing specimens | Maud Clark | Petaluma. |
| Exhibit of fuchsias | W. A. Reinholdt | Petaluma. |
| Exhibit of begonias | W. A. Reinholdt | Petaluma. |
| Floral design | W. A. Reinholdt | Petaluma. |
| Exhibit of cut dahlias | W. A. Reinholdt | Petaluma. |
| Exhibit of cut flowers | Miss G. R. Maynard | Petaluma. |
| Exhibit of cut flowers | W. A. Reinholdt | Petaluma. |
| Exhibit of hanging baskets | Mrs. G. Burdell | Petaluma. |
| Pair of vase bouquets | Miss E. Mooney | Petaluma. |
| Exhibit of paper flowers | Mrs. F. B. Perry | Petaluma. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBRED HORSES—STALLIONS. | | | |
| Three Cheers, four years old or over | T. G. Jones | Santa Rosa | $15 00 |
| Sid, three years old | B. C. Holly | Vallejo | $12 00 |
| Wild Oats, two years old | Wm. L. Appleby | Santa Clara | $9 00 |
| MARES. | | | |
| Not Idle, four years old or over | Wm. L. Appleby | Santa Clara | $10 00 |
| Laura Gardner, four years old or over | Wm. L. Appleby | Santa Clara | $5 00 |
| Nancy, three years old | B. C. Holly | Vallejo | $8 00 |
| Carmen, three years old | Wm. L. Appleby | Santa Clara | $4 00 |
| Futurity, two years old | Wm. L. Appleby | Santa Clara | $6 00 |
| Lady Helen, two years old | Wm. L. Appleby | Santa Clara | $3 00 |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | | |
| Woodnut, four years old or over | B. C. Holly | Vallejo | $15 00 |
| Alcona, Jr., four years old or over | J. P. Rodehaver | Petaluma | $7 50 |
| Silas Skinner, three years old | J. P. Rodehaver | Petaluma | $12 00 |
| Director, Jr., three years old | J. H. White | Lakeville | $6 00 |
| Storm, two years old | B. E. Harris | San Francisco | $9 00 |
| MARES. | | | |
| Fearless, four years old or over | B. E. Harris | San Francisco | $10 00 |
| Lorena, one year old | B. E. Harris | San Francisco | $4 00 |
| Rosa, one year old | S. Sperry | Petaluma | R. R. |
| CLASS III—ROADSTERS—STALLIONS. | | | |
| Hernani, four years old or over | J. H. White | Lakeville | $15 00 |
| Whalebone, four years old or over | H. Hasbrouck | Petaluma | $7 50 |
| Antevenio, one year old | P. J. Shafter | Olema | $6 00 |
| Joe, one year old | J. H. White | Lakeville | R. R. |
| MARES. | | | |
| Minnie, four years old or over | J. R. Rose | Lakeville | $10 00 |
| Kate H, four years old or over | F. T. Maynard | Petaluma | $5 00 |
| Princess, three years old | J. H. White | Lakeville | $8 00 |
| Henrietta D, two years old | J. H. White | Lakeville | $6 00 |
| Lizzie, two years old | T. Pare | Petaluma | $3 00 |
| Dot, one year old | J. H. White | Lakeville | $4 00 |
| ——, under one year | J. H. White | Lakeville | $3 00 |
| FAMILIES—STALLION WITH FIVE COLTS. | | | |
| Hernani | J. H. White | Lakeville | $25 00 |
| CLASS IV—CARRIAGE, SADDLE, AND GENTLEMEN'S ROADSTERS. | | | |
| Tom and Jerry | J. T. Smith | Petaluma | $10 00 |
| Viking, single buggy horse | P. J. Shafter | Olema | $5 00 |
| Hugo, single buggy horse | J. H. White | Lakeville | $2 50 |
| Bay Johnnie, saddle horse | F. Roberts | Petaluma | $5 00 |
| CLASS V—NORMANS AND OTHER FRENCH DRAFT BREEDS—STALLIONS. | | | |
| Beaufort, four years old or over | J. P. Rodehaver | Petaluma | $15 00 |
| Hercules, four years old or over | T. Skillman | Petaluma | $7 50 |
| Attilla, three years old | H. Wilsey | Petaluma | $12 00 |
| Durand, two years old | H. Wilsey | Petaluma | $9 00 |
| De Chartres, two years old | L. A. Devota | Novato | $4 50 |
| Right Sort, under one year | P. Hennelly | Petaluma | $3 00 |
| John L, under one year | J. P. Rodehaver | Petaluma | R. R. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| MARES. | | | |
| Queen of the Valley, four years old or over | P. Hennelly | Petaluma | $10 00 |
| Annie, four years old or over | W. K. Hill | Petaluma | $6 00 |
| Black Bess, two years old | W. K. Hill | Petaluma | $6 00 |
| Maggie, two years old | L. Helman | Petaluma | $3 00 |
| Queen P, colt under one year | Robert Crane | Santa Rosa | $3 00 |
| FAMILIES—STALLION WITH FIVE COLTS. | | | |
| Beaufort | J. P. Rodehaver | Petaluma | $20 00 |
| CLASS VI—CLYDESDALE AND OTHER ENGLISH DRAFT BREEDS—STALLIONS. | | | |
| Morning Star, four years old or over | Clydesdale Breeders' Association | Petaluma | $15 00 |
| Captain Sifton, four years old or over | J. Fritsch | Petaluma | $7 50 |
| Alexander Pointsman, three years old | P. Hennelly | Petaluma | $12 00 |
| Pointsman, Jr., three years old | F. Roberts | Petaluma | $6 00 |
| Buffalo Bill, two years old | Denman & McNear | Petaluma | $9 00 |
| Gladstone, two years old | H. E. Chapman | Petaluma | $4 50 |
| Robert Burns, one year old | R. H. Crane | Petaluma | $6 00 |
| Pointsman, Jr., one year old | Denman & McNear | Petaluma | R. R. |
| Fingermark, colt under one year | Robert Crane | Santa Rosa | $3 00 |
| Pointsman 2d, colt under one year | H. Gibbs | Petaluma | R. R. |
| MARES. | | | |
| Maid of the Mist, four years old or over | Denman & McNear | Petaluma | $10 00 |
| Blossom 2d, four years old or over | Denman & McNear | Petaluma | $5 00 |
| Annie, three years old | R. H. Crane | Petaluma | $8 00 |
| Nellie Clyde, three years old | P. Hennelly | Petaluma | $4 00 |
| Belle, two years old | Denman & McNear | Petaluma | $6 00 |
| Annie Belle, two years old | R. H. Crane | Petaluma | $3 00 |
| Kate Clyde, one year old | P. Hennelly | Petaluma | $4 00 |
| Blossom 3d, colt under one year | Denman & McNear | Petaluma | $3 00 |
| Maid 2d, colt under one year | Denman & McNear | Petaluma | R. R. |
| FAMILIES—STALLION WITH FIVE COLTS. | | | |
| Morning Star | Clydesdale Breeders' Association | Petaluma | $20 00 |
| CLASS VII—GENERAL PURPOSES—STALLIONS. | | | |
| Vindicator, three years old or over | T. Skillman | Petaluma | $12 00 |
| Gallion, three years old or over | T. Skillman | Petaluma | $6 00 |
| Pointer, one year old | R. H. Crane | Petaluma | $2 50 |
| Alice, colt under one year | Robert Crane | Petaluma | B. R. |
| MARES. | | | |
| Kate, three years old or over | H. E. Chapman | Petaluma | $10 00 |
| Fanny, three years old or over | H. E. Chapman | Petaluma | $5 00 |
| Nellie, under one year | H. E. Chapman | Petaluma | B. R. |

## SECOND DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS IX—SHORTHORNS—BULLS. | | | |
| Mugwump, three years old or over | W. Page | Penn's Grove | $20 00 |
| Sonoma Chief, three years old or over | J. Lynch | Petaluma | $8 00 |
| Protector, two years old | W. Page | Penn's Grove | $15 00 |
| Brindlebane, two years old | R. H. Crane | Petaluma | $6 00 |
| Belt, one year old | W. Page | Penn's Grove | $10 00 |
| Holdfast, one year old | W. Page | Penn's Grove | R. R. |
| Giltedge, under one year | W. Page | Penn's Grove | $3 00 |
| Pickrell, under one year | W. Page | Penn's Grove | R. R. |
| COWS. | | | |
| Maita, three years old or over | W. Page | Penn's Grove | $15 00 |
| Belle Strawberry, three years old or over | W. Page | Penn's Grove | $6 00 |

SECOND DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Christmas Eve, two years old | W. Page | Penn's Grove | $10 00 |
| Enriquita, two years old | W. Page | Penn's Grove | $4 00 |
| Belle of the Oaks, one year old | W. Page | Penn's Grove | $6 00 |
| Maud 4th, one year old | R. H. Crane | Petaluma | R. R. |
| Sweet Milk, under one year | W. Page | Penn's Grove | $3 00 |
| Manuella, under one year | W. Page | Penn's Grove | R. R. |
| CLASS X—HERD AND SWEEPSTAKES. | | | |
| Mugwump, four cows and calf | W. Page | Penn's Grove | $20 00 |
| Mugwump, bull of any age | W. Page | Penn's Grove | $10 00 |
| Maita, cow of any age | W. Page | Penn's Grove | $5 00 |
| HOLSTEINS—BULLS. | | | |
| Oro Blanco, three years old or over | J. H. White | Lakeville | $20 00 |
| Huachuca, two years old | J. H. White | Lakeville | $15 00 |
| Juneau, two years old | J. H. White | Lakeville | $6 00 |
| Halbert, one year old | J. H. White | Lakeville | $10 00 |
| Laredo, one year old | J. H. White | Lakeville | R. R. |
| Montecito, calf under one year | J. H. White | Lakeville | $3 00 |
| Demmings, calf under one year | J. H. White | Lakeville | R. R. |
| COWS. | | | |
| Winfridala, three years old or over | J. H. White | Lakeville | $15 00 |
| Annemie, three years old or over | J. H. White | Lakeville | $6 00 |
| Lasquite, two years old | J. H. White | Lakeville | $10 00 |
| Etchetah, two years old | J. H. White | Lakeville | $4 00 |
| Brinhilda, one year old | J. H. White | Lakeville | $6 00 |
| Minnie Wayward, one year old | J. H. White | Lakeville | R. R. |
| Chapala, calf under one year | J. H. White | Lakeville | $3 00 |
| Eudora, calf under one year | J. H. White | Lakeville | R. R. |
| CLASS XX—HERD AND SWEEPSTAKES. | | | |
| Oro Blanco, four cows and one calf | J. H. White | Lakeville | $20 00 |
| Oro Blanco, bull of any age | J. H. White | Lakeville | $10 00 |
| Winfridala, cow of any age | J. H. White | Lakeville | $5 00 |
| CLASS XXI—JERSEYS AND GUERNSEYS—BULLS. | | | |
| Wildflower, three years old or over | Hall Brothers | Petaluma | $20 00 |
| Pert, three years old or over | D. S. Dickson | Petaluma | $8 00 |
| Essex, one year old | P. L. McGill | Sonoma | $10 00 |
| Jack, calf under one year | P. L. McGill | Sonoma | $3 00 |
| Sonoma Chief, calf under one year | P. L. McGill | Sonoma | R. R. |
| COWS. | | | |
| Sonoma, three years old or over | P. L. McGill | Sonoma | $15 00 |
| Juanita, three years old or over | P. L. McGill | Sonoma | $6 00 |
| Gazelle, two years old | Hall Bros. | Petaluma | $10 00 |
| Eveline, two years old | P. L. McGill | Sonoma | $4 00 |
| Etta, one year old | P. L. McGill | Sonoma | $6 00 |
| Pansy, one year old | Hall Bros. | Petaluma | R. R. |
| Silverleaf, calf under one year | Hall Bros. | Petaluma | $3 00 |
| Dot, calf under one year | P. L. McGill | Sonoma | R. R. |
| CLASS XXII—HERD AND SWEEPSTAKES. | | | |
| Essex, bull of any age | P. L. McGill | Sonoma | $10 00 |
| Wildflower, bull of any age | Hall Bros. | Petaluma | R. R. |
| Gazelle, cow of any age | Hall Bros. | Petaluma | $5 00 |
| Juanita, cow of any age | P. L. McGill | Sonoma | R. R. |
| CLASS XXIII—AYRSHIRES—BULLS. | | | |
| Lord Faxion, two years old | Geo. Bement | San Pablo | $15 00 |
| Hotspur, one year old | Geo. Bement | San Pablo | $10 00 |
| Red Mikado, one year old | Geo. Bement | San Pablo | R. R. |
| Express, calf under one year | Geo. Bement | San Pablo | $3 00 |
| COWS. | | | |
| Marian, three years old or over | Geo. Bement | San Pablo | $15 00 |
| Sybilla, three years old or over | Geo. Bement | San Pablo | $6 00 |

SECOND DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Ethelberta, two years old | Geo. Bement | San Pablo | $10 00 |
| Faxonia, one year old | Geo. Bement | San Pablo | $6 00 |
| Highland Beauty, calf under one year | Geo. Bement | San Pablo | $3 00 |
| CLASS XXV—GRADED CATTLE—COWS. | | | |
| Snow, three years old or over | Robt. Crane | Santa Rosa | $10 00 |
| Flora, two years old | John Lynch | Petaluma | $7 00 |
| Big Bertha, one year old | J. H. White | Lakeville | $5 00 |
| Claud Lee, calf under one year | J. H. White | Lakeville | $2 00 |

## THIRD DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS XXX—SOUTH, SHROPSHIRE, OXFORD, AND HAMPSHIRE DOWNS—RAMS. | | | |
| Best ram, two years old or over | R. H. Crane | Petaluma | $6 00 |
| Second best ram, two years old or over | Robt. Crane | Santa Rosa | $3 00 |
| Best ram one year old | R. H. Crane | Petaluma | $5 00 |
| Best three ram lambs under one year | Robert Crane | Santa Rosa | $4 00 |
| Second best three ram lambs under one year | R. H. Crane | Petaluma | $2 00 |
| EWES. | | | |
| Best ewes, two years old or over | R. H. Crane | Petaluma | $5 00 |
| Second best ewes, two years old or over | Robert Crane | Santa Rosa | $2 50 |
| Best ewes, one year old | R. H. Crane | Petaluma | $4 00 |
| Best three ewe lambs, under one year | Robert Crane | Santa Rosa | $2 00 |
| Second best three ewe lambs, under one year | R. H. Crane | Petaluma | $1 00 |
| CLASS XXXII—SWINE—CHINA-POLAND—BOARS. | | | |
| Best boar, one year old or over | R. H. Crane | Petaluma | $6 00 |
| Best boar, six months old | R. H. Crane | Petaluma | $3 00 |
| SOWS. | | | |
| Best sow, one year old or over | R. H. Crane | Petaluma | $5 00 |
| Best sow, six months old | R. H. Crane | Petaluma | $2 50 |
| Best sow, and five pigs under six months | R. H. Crane | Petaluma | $6 00 |
| CLASS XXXIV—PURE BRED POULTRY. | | | |
| Best pair light Brahma fowls | R. H. Crane | Petaluma | $2 00 |
| Best pair light Brahma chicks | R. H. Crane | Petaluma | $1 00 |
| Second best pair light Brahma chicks | J. V. Hill | Petaluma | R. R. |
| Best pair buff Cochin chicks | J. V. Hill | Petaluma | $1 00 |
| CLASS XXXVIII. | | | |
| Best pair Plymouth Rock fowls | J. Blackburn | Petaluma | $2 00 |
| Best pair Plymouth Rock chicks | J. Blackburn | Petaluma | $1 00 |
| CLASS XXXIX. | | | |
| Best pair Wyandotte fowls | J. Blackburn | Petaluma | $2 00 |
| Best pair Wyandotte chicks | J. Blackburn | Petaluma | $1 00 |
| CLASS XLVIII. | | | |
| Best pair Red Game fowls | J. Loranger | Petaluma | $2 00 |
| Best pair Red Game chicks | O. Elmore | Petaluma | $1 00 |
| Second best pair Red Game chicks | O. Elmore | Petaluma | R. R. |
| CLASS XLIX. | | | |
| Best pair Duckwing Game fowls | J. Loranger | Petaluma | $2 00 |
| Second best pair Duckwing Game fowls | O. Elmore | Petaluma | R. R. |
| Best pair Duckwing Game chicks | O. Elmore | Petaluma | $1 00 |

THIRD DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS L. | | | |
| Best pair Brown-breasted Game fowls | O. Elmore | Petaluma | $2 00 |
| Best pair Brown-breasted Game chicks | J. Loranger | Petaluma | $1 00 |
| Second best pair Brown-breasted Game chicks | O. Elmore | Petaluma | R. R. |
| CLASS LI. | | | |
| Best pair Bantam fowls | R. H. Crane | Petaluma | $2 00 |
| Second best pair Bantam fowls | J. V. Hill | Petaluma | R. R. |
| Best pair Bantam chicks | R. H. Crane | Petaluma | $1 00 |
| CLASS LVI. | | | |
| Best pair Rouen ducks | A. J. Christie | Bloomfield | $2 00 |
| CLASS LVII. | | | |
| Best pair Pekin ducks | A. J. Christie | Bloomfield | $2 00 |
| CLASS LVIII. | | | |
| Best pair Toulouse geese | R. H. Crane | Petaluma | $2 50 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXII—GRAIN, FRUITS, ETC. | | | |
| Best sheaf of barley | D. F. Whitlatch | Petaluma | $1 00 |
| Best sack of common barley | J. Lynch | Petaluma | $2 00 |
| Best sack of shelled white corn | N. Wiswell | Petaluma | $2 00 |
| Best sack of shelled yellow corn | F. W. Stratton | Petaluma | $1 00 |
| Best ten ears of white corn | J. Gossage | Petaluma | $1 00 |
| Best ten ears of yellow corn | A. Wieshand | Petaluma | $1 00 |
| Best exhibit of corn on stalk | A. Wieshand | Petaluma | $1 00 |
| Best sack of cornmeal | Winans & Son | Petaluma | Diploma. |
| Best sack of wheat flour | Golden Eagle Flouring Mills | Petaluma | Diploma. |
| Best sack of black oats | R. Andrews | Petaluma | $2 00 |
| Best sheaf of oats | P. Mullally | Bloomfield | $1 00 |
| Best sack of rye | J. Bloom | Petaluma | $2 00 |
| Best sack of large white wheat | Robert Crane | Santa Rosa | $2 00 |
| Best sack of club wheat | A. Jackson | Petaluma | $2 00 |
| Best sheaf of wheat | R. Andrews | Petaluma | $1 00 |
| CLASS LXIII—VEGETABLES, ROOTS, ETC. | | | |
| Best six blood beets | H. E. Chapman | Petaluma | $1 00 |
| Best exhibit of sugar beets | E. H. Cheeney | Bodega | $1 00 |
| Best exhibit of beans | E. H. Cheeney | Bodega | $2 00 |
| Best exhibit of carrots | A. Wieshand | Petaluma | $1 00 |
| Best exhibit of cabbage | C. Hawkins | Geyserville | $1 00 |
| Best exhibit of cultivated grass seed | J. Bloom | Petaluma | $2 00 |
| Best exhibit of mangel-wurzel | T. C. Putman | Petaluma | $1 00 |
| Best exhibit of onions | C. Hawkins | Geyserville | $1 00 |
| Best collection of potatoes, five varieties | E. H. Cheeney | Bodega | $5 00 |
| Best single variety of potatoes | P. Mullally | Bloomfield | $2 00 |
| Best single variety of sweet potatoes | R. Ferguson | Santa Rosa | $1 00 |
| Best exhibit of parsnips | N. Wiswell | Petaluma | $1 00 |
| Best exhibit of pie plant | S. E. Jameson | Petaluma | $1 00 |
| Best exhibit of pumpkins | J. Gossage | Petaluma | $2 00 |
| Best exhibit of rutabagas | J. Bloom | Petaluma | $1 00 |
| Best exhibit of squashes | T. C. Putman | Petaluma | $2 00 |
| Best exhibit of turnips | C. Hawkins | Geyserville | $1 00 |
| Best display of products raised by one person on one farm | R. Andrews | Petaluma | $10 00 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXIV—FRUITS, GRAPES, NUTS, ETC. | | | |
| Largest and best collection of fruits raised in one orchard | John Merritt | Petaluma | $25 00 |
| Best exhibit of apples, six varieties | John Merritt | Petaluma | $5 00 |
| Best single variety of six apples | John Merritt | Petaluma | $2 00 |
| Best six varieties of apples | B. A. Parks | Petaluma | $3 00 |
| Best collection of pears, six varieties | B. A. Parks | Petaluma | $5 00 |
| Best single variety of six pears | B. A. Parks | Petaluma | $2 00 |
| Best exhibit of peaches, three varieties | B. A. Parks | Petaluma | $5 00 |
| Best single variety of six peaches | John Merritt | Petaluma | $2 00 |
| Best exhibit of plums, three varieties | F. F. Ennis | Petaluma | $5 00 |
| Best single variety of plums | F. F. Ennis | Petaluma | $2 00 |
| Best six quinces | J. Merritt | Petaluma | $2 00 |
| Best exhibit of prunes, three varieties | F. F. Ennis | Petaluma | $2 00 |
| Best single variety of prunes | F. F. Ennis | Petaluma | $2 00 |
| Best exhibit of nectarines | J. H. Drummond | Glen Ellen | $2 00 |
| Largest and best collection of grapes raised in one orchard | J. H. Drummond | Glen Ellen | $20 00 |
| Best exhibit of foreign grapes | J. H. Drummond | Glen Ellen | $5 00 |
| Best collection of almonds | B. A. Parks | Petaluma | $2 00 |
| Best collection of peanuts | A. Armstrong | Petaluma | $2 00 |
| Best collection of English walnuts | Mrs. S. C. Pierce | Petaluma | $2 00 |
| Best collection of watermelons | E. R. Charles | Petaluma | $1 00 |
| Best collection of muskmelons | E. R. Charles | Petaluma | $1 00 |
| Best collection of cantaloupe melons | E. R. Charles | Petaluma | $1 00 |
| CLASS LXV—PRESERVED FRUITS, ETC. | | | |
| Best kiln-dried fruits, five varieties | J. H. Hunt | Sebastopol | $7 50 |
| Best kiln-dried apples, two varieties | J. H. Hunt | Sebastopol | $3 00 |
| Best sun-dried fruits, five varieties | B. A. Parks | Petaluma | $5 00 |
| Best sun-dried apples, two varieties | B. A. Parks | Petaluma | $2 00 |
| Best kiln-dried peaches, two varieties | J. H. Hunt | Sebastopol | $3 00 |
| Best sun-dried peaches, two varieties | B. A. Parks | Petaluma | $2 00 |
| Best kiln-dried plums, two varieties | J. H. Hunt | Sebastopol | $3 00 |
| Best sun-dried plums, two varieties | B. A. Parks | Petaluma | $2 00 |
| Best seeded dried plums, two varieties | J. H. Hunt | Sebastopol | $3 00 |
| Best sun-dried prunes, two varieties | B. A. Parks | Petaluma | $2 00 |
| Best domestic canned fruit, five varieties | Mrs. L. G. Nay | Petaluma | $2 50 |
| Best jellies, five varieties | Miss Mattie Risk | Petaluma | $2 50 |
| Best preserves, three varieties | Mrs. L. G. Nay | Petaluma | $3 00 |
| Best pickles, three varieties | Mrs. L. G. Nay | Petaluma | $2 00 |
| CLASS LXVI—BUTTER, CHEESE, HAMS, BACON, AND HONEY. | | | |
| Best fresh butter | G. W. Ormsby | Petaluma | $10 00 |
| Second best fresh butter | D. S. Dixon | Petaluma | $5 00 |
| Best hams | Robert Crane | Santa Rosa | $2 00 |
| Best side of bacon | Robert Crane | Santa Rosa | $2 00 |
| Best new cheese | I. R. Jewell | Petaluma | $3 00 |
| Second best new cheese | Hall Bros. | Petaluma | $1 00 |
| Best cheese one year old | Hall Bros. | Petaluma | $3 00 |
| Best cream cheese | L. Cantel | Petaluma | $2 00 |
| Second best cream cheese | I. R. Jewell | Petaluma | $1 00 |
| Best and largest variety of cheese | I. R. Jewell | Petaluma | $5 00 |
| CLASS LXVIII—WINES, CIDER, ALE, ETC. | | | |
| Best exhibit of wines | I. De Turk | Santa Rosa | $20 00 |
| Best port wine | I. De Turk | Santa Rosa | $4 00 |
| Best red wine | J. L. Watson | Sonoma | $4 00 |
| Best white wine | J. L. Watson | Sonoma | $4 00 |
| Best blackberry wine | J. L. Watson | Sonoma | $4 00 |
| Best brandy | J. L. Watson | Sonoma | $4 00 |
| Best blackberry cordial | J. L. Watson | Sonoma | $2 00 |
| CLASS LXIX—TOWNSHIP EXHIBITS. | | | |
| Best display of agricultural products | Gibson & Wiswell | Vallejo Twp. | $60 00 |
| Second best display of ag'l products | Andrews & Merritt | Petaluma Twp. | $30 00 |
| Third best display of ag'l products | J. H. Drummond | Sonoma Twp. | $10 00 |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXX—AGRICULTURAL IMPLEMENTS, HARDWARE, ETC. | | | |
| Best sidehill plow | R. B. Thomas | Sonoma | $2 00 |
| Best churn | Rodd & Camm | Petaluma | $3 00 |
| Best model fruit drier | J. W. Cassidy | Petaluma | Diploma. |
| Best exhibit of dairy utensils | Rodd & Camm | Petaluma | $10 00 |
| CLASS LXXI—CARRIAGES, BUGGIES, AND WAGONS. | | | |
| Best carriages, buggies, and wagons | Wm. Zartman & Co. | Petaluma | $10 00 |
| Best top buggy | Wm. Zartman & Co. | Petaluma | $8 00 |
| Best two-wheeled cart | Wm. Zartman & Co. | Petaluma | $3 00 |
| Best spring wagon | E. Hopes | Petaluma | $5 00 |
| Best carriage trimming | Ellsworth & Northrup | Petaluma | $5 00 |
| CLASS LXXII—SADDLERY AND HARNESS. | | | |
| Best saddlery | Ellsworth & Northrup | Petaluma | $15 00 |
| Best light double harness | Ellsworth & Northrup | Petaluma | $7 00 |
| Best light single harness | Ellsworth & Northrup | Petaluma | $2 50 |
| Best saddle | Ellsworth & Northrup | Petaluma | $2 50 |
| Best work harness, double | Ellsworth & Northrup | Petaluma | $5 00 |
| Best boots, etc. | Ellsworth & Northrup | Petaluma | $2 50 |
| Best single harness, heavy | Ellsworth & Northrup | Petaluma | $5 00 |
| CLASS LXXIII—MISCELLANEOUS EXHIBITS OF DISTRICT MANUFACTURES AND HANDIWORK. | | | |
| Best upholstery | Ellsworth & Son | Petaluma | $7 50 |
| Best blacksmithing | Wm. Zartman & Co. | Petaluma | $2 00 |
| Best boots and shoes | W. J. Palmer | Petaluma | $3 00 |
| Best display of samples of silk culture | Lena Stockdale | Petaluma | $5 00 |
| Best bookbinding | J. A. Cowen | Petaluma | Dip.,$2 00 |
| Best brooms | T. H. Cheeney | Petaluma | $2 00 |
| Best washing machine | N. King | Petaluma | Diploma. |
| Best model gate | L. J. Johnson | Petaluma | $3 00 |
| Best chairs | Ellsworth & Son | Petaluma | $3 00 |
| Best wood turning | Rodd & Camm | Petaluma | $2 00 |
| Best soap | S. E. Jameson | Petaluma | Dip.,$5 00 |
| Best millwork, moldings, brackets, cornice, etc. | Rodd & Camm | Petaluma | Dip.,$5 00 |
| CLASS LXXIV—SWEEPSTAKES. | | | |
| Best exhibit of groceries | Winans & Son | Petaluma | $10 00 |
| Best exhibit of dry goods | Hale Bros. & Co. | Petaluma | $10 00 |
| Best exhibit of silverware | L. F. Ellsworth & Co. | Petaluma | $10 00 |
| Best exhibit of shelf hardware | Bauer & Co. | Petaluma | $10 00 |
| Best exhibit of agricultural implements | Bauer & Co. | Petaluma | $10 00 |
| Best exhibit of furniture | Ellsworth & Son | Petaluma | $10 00 |
| Best exhibit of pianos, organs, etc. | F. W. Spencer & Co. | San Francisco | Dip.,$10 |
| Best fruit pitter | Fred. Rohrer | Santa Rosa | Diploma. |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXXV—EMBROIDERY, NEEDLEWORK, SEWING, KNITTING, ETC. | | | |
| Best specimen of needlework, ten varieties | Miss N. Brown | Petaluma | $15 00 |
| Second best specimen of needlework, ten varieties | Mrs. C. Northrup | Petaluma | $5 00 |
| Best family machine sewing | Mrs. L. G. Nay | Petaluma | $3 00 |
| Best silk embroidery on silk or velvet | Mrs. F. B. Perry | Petaluma | $3 00 |
| Best cotton embroidery | Miss K. Weston | Petaluma | $2 00 |
| Best embroidery on lace | Mrs. F. B. Perry | Petaluma | $2 00 |
| Best point lace embroidery | Miss N. Brown | Petaluma | $2 00 |
| Best etching | Miss N. Brown | Petaluma | $2 00 |
| Best embroidered sofa cushion | Mrs. C. Northrup | Petaluma | $2 00 |
| Best embroidered wall panel | Mrs. C. Northrup | Petaluma | $2 00 |
| Best kensington work in chenille | Mrs. C. Northrup | Petaluma | $2 00 |
| Best kensington work in crewel | Mrs. C. Northrup | Petaluma | $2 00 |
| Best kensington work in silk | Mrs. C. Northrup | Petaluma | $2 00 |
| Best crochet work in cotton | Miss K. Bryan | Petaluma | $2 00 |
| Best Spanish lace | Miss E. Houx | Petaluma | $2 00 |
| Best transferred work | Miss K. Weston | Petaluma | $2 00 |
| Best crazy silk patchwork | Mrs. C. Northrup | Petaluma | $2 00 |
| Best lambrequin | Miss N. Brown | Petaluma | $2 00 |
| Best arrasene work | Mrs. C. Northrup | Petaluma | $2 00 |
| Best ribbon work | Mrs. C. Northrup | Petaluma | $2 00 |
| Best couching | Mrs. C. Northrup | Petaluma | $2 00 |
| Best afghan | Mrs. A. B. Derby | Petaluma | $2 00 |
| Best toilet set | Mrs. C. Northrup | Petaluma | $2 00 |
| Best ottoman cover | Mrs. C. Northrup | Petaluma | $2 00 |
| Best crochet shawl | Mrs. H. P. Brainerd | Petaluma | $2 00 |
| Best tatting | Miss J. Ormsby | Petaluma | $2 00 |
| Best hand-knit underwear | Miss E. Houx | Petaluma | $2 00 |
| Best hearthrug | Mrs. S. Sperry | Petaluma | $2 00 |
| Best pair of stockings | Mrs. F. B. Perry | Petaluma | $2 00 |
| Best table scarf | Miss N. Brown | Petaluma | $2 00 |
| Best fancy knitting | Mrs. F. W. Perry | Petaluma | $2 00 |
| Best knit quilt | Mrs. E. Dado | Santa Rosa | $2 00 |
| Best silk quilt | Miss K. Weston | Petaluma | $2 00 |
| Best silk quilting | Miss J. Ormsby | Petaluma | $2 00 |
| Best baby's dress | Mrs. Geo. C. Young | Petaluma | $2 50 |
| Best gents' shirt | Mrs. E. Houx | Petaluma | $2 00 |
| Best patchwork | Mrs. E. S. Merritt | Petaluma | $2 00 |
| Best rag carpet | Mrs. B. M. Button | Petaluma | $2 00 |
| CLASS LXXVI—BREAD, CAKES, ETC. | | | |
| Best wheat bread | Mrs. S. B. Derby | Petaluma | $3 00 |
| Best corn bread | Miss A. Waters | Petaluma | $3 00 |
| Best sponge cake | Mrs. H. P. Brainerd | Petaluma | $3 00 |
| Best assortment of tarts | Miss Jennie Gibson | Petaluma | $3 00 |
| FOR YOUNG LADIES BETWEEN FIFTEEN AND TWENTY YEARS OF AGE. | | | |
| Best wheat bread | Annie Haskins | Petaluma | $3 00 |
| Best Boston brown bread | Effie Houx | Petaluma | $3 00 |
| Best pound cake | Effie Houx | Petaluma | $3 00 |
| Best fruit cake | Effie Houx | Petaluma | $3 00 |
| Best coffee cake | Effie Houx | Petaluma | $3 00 |
| SPECIAL PREMIUM.* | | | |
| Best general exhibit in class for young ladies | Effie Houx | Petaluma | $20 00 |
| CLASS LXXVII—FOR CHILDREN FOURTEEN YEARS OF AGE OR UNDER. | | | |
| Best plain sewing | M. Blume | Petaluma | $3 00 |
| Best needlework, three pieces | M. Blume | Petaluma | $5 00 |
| Best worsted embroidery | D. Fairbanks | Petaluma | $2 50 |

*Special premium by J. H. White, President of the Association.

SIXTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best silk embroidery | D. Fairbanks | Petaluma | $2 50 |
| Best crochet work | M. Blume | Petaluma | $2 00 |
| Best knitting | J. Perry | Petaluma | $2 00 |
| Best darning | M. Cassidy | Petaluma | $2 00 |
| Best etching | E. Gilbert | Petaluma | $2 00 |
| Best crazy patchwork | M. Ladner | Petaluma | $2 00 |
| Best pencil drawing | M. Weishand | Petaluma | $2 00 |
| Best crayon drawing | G. Maynard | Petaluma | $2 00 |
| Best penmanship | H. Campbell | Petaluma | $2 00 |
| Best white bread | J. L. Gibson | Petaluma | $2 00 |
| Best sponge cake | E. Gilbert | Petaluma | $2 00 |
| Best pound cake | J. L. Gibson | Petaluma | $2 00 |
| Best fruit cake | J. L. Gibson | Petaluma | $2 00 |
| Best exhibit of mechanical skill and workmanship | V. Pozzi | Petaluma | $2 00 |
| Best painting | Paul Sperry | Petaluma | $2 50 |
| Best and most tastily made calico dress | M. Blume | Petaluma | $2 00 |
| Largest variety of eggs | C. Trueholtz | Petaluma | $2 00 |
| CLASS LXXVIII—PAINTING, ORNAMENTAL WORK, ETC. | | | |
| Best collection of paintings | Miss F. Thompson | Petaluma | $10 00 |
| Best painting in oil on canvas | Mrs. S. R. Jewell | Santa Rosa | $5 00 |
| Best painting in oil on satin | Miss E. Brown | Petaluma | $5 00 |
| Best portrait painting in oil | E. R. Healy | Santa Rosa | $5 00 |
| Best painting in water colors | Mrs. J. Campbell | Petaluma | $3 00 |
| Best landscape painting | Mrs. N. Gould | Petaluma | $5 00 |
| Best flower painting | Mrs. N. Gould | Petaluma | $5 00 |
| Best animal painting | Mrs. S. R. Jewell | Santa Rosa | $2 50 |
| Best porcelain painting | Miss S. Jewell | Petaluma | $3 00 |
| Best kensington painting | Miss M. Scott | Petaluma | $2 50 |
| Best lustro painting | Miss A. Vestal | Petaluma | $2 00 |
| Best pencil drawing | Miss I. Walker | Petaluma | $2 00 |
| Best crayon drawing | E R. Healy | Santa Rosa | $2 00 |
| Best sketching from nature | Mrs. S. R. Jewell | Santa Rosa | $3 00 |
| Best feather work | Miss A. Vestal | Petaluma | $2 00 |
| SPECIAL PREMIUM.* | | | |
| Best collection of drawings made by any school in Sonoma or Marin Counties | Steuben District; teacher, Mrs. R. L. Crane | Sonoma County | $25 00 |
| CLASS LXXIX—PLANTS, BOUQUETS, ETC. | | | |
| Best collection trees, shrubs, and flowering plants | Mrs. G. Burdell | Petaluma | Dp. & $10 |
| Best hardy evergreen trees and shrubs for gardens | W. A. Reinholdt | Petaluma | $5 00 |
| Best semi-tropic fruit trees in fruit | Mrs. G. Burdell | Petaluma | $2 50 |
| Best flowering roses in pots | W. A. Reinholdt | Petaluma | $2 50 |
| Best miniature garden | Maud Clark | Petaluma | $5 00 |
| Best floral design | W. A. Reinholdt | Petaluma | $3 00 |
| Best exhibit of cut flowers | G. R. Maynard | Petaluma | $5 00 |
| Best exhibit of dahlias | W. A. Reinholdt | Petaluma | $2 50 |
| Best hanging basket | Mrs. G. Burdell | Petaluma | $2 50 |
| Best pair of vase bouquets | Miss E. Mooney | Petaluma | $2 00 |
| Best paper flowers | Mrs. F. B. Perry | Petaluma | $2 00 |
| SPECIAL PREMIUMS—BY THE SOCIETY. | | | |
| For splendid exhibit | J. H. Drummond | Glen Ellen | $25 00 |
| Township display from Santa Rosa | J. Adams | Santa Rosa | $25 00 |

| SPECIAL PREMIUM—BY DR. G. M. SAUL, OF PETALUMA. | |
|---|---|
| Best developed baby under one year old | Baby carriage, $25 |

*Special premium by J. H. Drummond.

# SPEED PROGRAMME.

TUESDAY, AUGUST 21, 1888.

RACE No. 1—RUNNING.

For two-year olds. Twenty-five dollars entrance; ten dollars forfeit; one hundred and fifty dollars added; fifty dollars to second horse. Five eighths of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Joe Hoge, ch. c., by Joe Hooker | H. I. Thornton | San Francisco. |
| Little Phil, ch. c., by Leinster | T. Bally | Vallejo. |
| Jackpot, b. g., by Joe Hooker | Thomas G. Jones | Santa Rosa. |

SUMMARY.

| | |
|---|---|
| Jackpot | 1 |
| Joe Hoge | 2 |
| Little Phil | 3 |

*Time*—1:03¾.

RACE No. 2—TROTTING.

2:30 Class. Purse, seven hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosie Mc, b. m., by Alex Button | G. W. Woodard | Yolo. |
| Elector, b. s., by Electioneer | O. A. Hickok | San Francisco. |
| Express, b. g., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Judge, b. g., sire unknown | Jas. A. Dustin | San Francisco. |
| Franklin, blk. g., by General Reno | Chas. David | San Francisco. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Franklin | 1 | 1 | 3 | 3 | 1 |
| Elector | 2 | 3 | 1 | 1 | 2 |
| Rosie Mc | 3 | 2 | 2 | 2 | 3 |

*Time*—2:22½; 2:22½; 2:24½; 2:25¼; 2:25½.

RACE No. 3—TROTTING.

2:23 Class. Purse, seven hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Alfred S, b. g., by Elmo | W. H. Seale | Mayfield. |
| Gertrude Russell, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Gus Wilkes, b. g., sire unknown | Jas. Dustin | Oakland. |
| Thapsin, b. g., by Berlin | Wilbur F. Smith | Sacramento. |

SUMMARY.

| | | | |
|---|---|---|---|
| Alfred S | 1 | 1 | 1 |
| Thapsin | 2 | 2 | 3 |
| Gus Wilkes | 3 | 3 | 2 |

*Time*—2:21½; 2:26¼; 2:24.

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## WEDNESDAY, AUGUST 22, 1888.

### Race No. 4—Trotting.

District three-year olds. Purse, two hundred and fifty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Oaknut, s. s., by Dawn | W. R. Overholser | Petaluma. |
| Alice, ch. f., by Hernani | J. H. White | Lakeville. |
| Anti-Coolie, blk. c., by Anteeo | I. De Turk | Santa Rosa. |
| Alto, r. c., by Anteeo | M. O'Reily | Petaluma. |
| Alfred G, b. s., by Anteeo | Guerne & Murphy | Santa Rosa. |
| Redwood, b. c., by Anteeo | A. McFadgen | Santa Rosa. |
| Ben Davis, ch. g., by Great Tom | B. C. Holly | Vallejo. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Redwood | 2 | 3 | 1 | 1 | 1 |
| Ben Davis | 1 | 1 | 4 | 2 | 2 |
| Alfred G | 3 | 2 | 2 | 3 | 3 |
| Anti-Coolie | 6 | 4 | 3 | 4 | dis. |
| Alice | 5 | dis. | | | |

*Time*—2:33¾; 2:31¼; 2:35; 2:31; 2:30¼.

---

### Race No. 5—Running.

For all ages. Free purse. Two hundred dollars. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Fusillade's Last, ch. f., by J. W. Norton | B. C. Holly | Vallejo. |
| St. Patrick, s. g., by Hubbard | D. McGovern | Petaluma. |
| Daisy D, b. m., by Wheatly | B. Cockrill | Salinas. |

SUMMARY.

| | | |
|---|---|---|
| Daisy D | 1 | 1 |
| Fusillade's Last | 2 | 2 |
| St. Patrick | dis. | |

*Time*—1:45; 1:44.

---

### Race No. 6—Trotting.

For district yearlings. Ten dollars to accompany nominations; ten dollars June first; ten dollars July fifteenth. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ferndale, b. c., by Anteeo | H. W. Peck | Healdsburg. |
| Leoline, b. f., by Clovis | Wilfred Page | Petaluma. |
| ——, b. f., by Dawn | A. L. Whitney | Petaluma. |
| ——, b. f., by Dawn | A. L. Whitney | Petaluma. |
| ——, s. c., by Dawn | A. L. Whitney | Petaluma. |

SUMMARY.

| | |
|---|---|
| Leoline | 1 |
| Ferndale | 2 |

*Time*—3:54¼.

---

RACE NO. 7—TROTTING.

For named horses. Purse, six hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Fallis, br. s., by Electioneer | F. P. Lowell | Sacramento. |
| Lady Escott, ch. m., by Arthurton | J. A. Dustin | Oakland. |
| Perihelion, b. g., by Admiral | C. H. David | San Francisco. |
| Sonnet, b. m., by Benton | C. Marvin | Menlo Park. |
| Ben Ali, b. g., by G. M. Patchen | R. Havey | Oakland. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Fallis | 5 | 1 | 1 | 1 |
| Lady Escott | 1 | 2 | 2 | 2 |
| Ben Ali | 2 | 4 | 4 | 3 |
| Perihelion | 4 | 3 | 3 | 4 |
| Sonnet | 3 | dis. | | |

*Time*—2:26¼; 2:26½; 2:28; 2:23.

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RACE NO. 8—TROTTING.

For two-year olds. Ten dollars to accompany nominations; twenty dollars June first; fifteen dollars July fifteenth; fifteen dollars August seventeenth. Two hundred and fifty dollars added. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Palo Alto Belle, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Sunol, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Coin, b. c., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Colma, gr. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Leon, b. c., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Fortuna, b. f., by Florida | Z. E. Simmons | Pleasanton. |
| Edwin G., s. g., by Sidney | E. Giddings | San Rafael. |
| Geo. Washington, b. c., by Mambrino Chief, Jr. | Thomas Smith | Vallejo. |
| Eclectic, b. s., by Electioneer | Wilfred Page | Pleasanton. |
| Jet Wilkes, b. f., by Guy Wilkes | San Mateo Stock Farm | San Mateo. |
| Annetta, br. f., by Le Grande | San Mateo Stock Farm | San Mateo. |
| Margaret S, b. f., by Director | Pleasanton Stock Farm | Pleasanton. |

SUMMARY.

| | | |
|---|---|---|
| Sunol | 1 | 1 |
| Margaret S | 2 | 2 |
| Fortuna | 3 | 3 |

*Time*—2:28½; 2:26¾.

## THURSDAY, AUGUST 23, 1888.

### Race No. 9—Running.

For three-year olds. Fifty dollars entrance; twenty-five dollars forfeit; two hundred and fifty dollars added. Winners of any race this year to carry five pounds extra; of two or more, ten pounds extra; maidens allowed five pounds. One and one eighth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Nancy, ch. f., by Jim Brown | B. C. Holly | Vallejo. |
| Nabeau, b. g., by Nathan Coombs | William Boots | Milpitas. |
| Ledon, blk. g., by Nathan Coombs | William Boots | Milpitas. |
| Leon, b. c., by Leinster | F. P. Lowell | Sacramento. |
| Oscar Wilde, b. s., by Don Victor | Enoch Yates | Santa Rosa. |
| Kildare, s. g., by imp. Kyrle Daly | H. I. Thornton | San Francisco. |

SUMMARY.

| | |
|---|---|
| Leon | 1 |
| Nancy | 2 |
| Nabeau | 3 |
| Oscar Wilde | 4 |

*Time*—1:58¾.

---

### Race No. 10—Trotting.

For yearlings. Ten dollars to accompany nominations; fifteen dollars, June first; ten dollars, July fifteenth; fifteen dollars, August seventeenth. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lorena, b. f., by Jim Mulvaney | B. E. Harris | San Francisco. |
| Norris, ch. c., by Ansel | Palo Alto Stock Farm | Menlo Park. |
| Josie Williams, b. f., Goldnut | Geo. Kneier | Stockton. |
| Peep o' Day, ch. c., by Dawn | Wilfred Page | Petaluma. |
| Fleet, by Sidney | Valensin Stock Farm | Pleasanton. |

SUMMARY.

| | |
|---|---|
| Fleet | 1 |
| Lorena | 2 |

*Time*—2:44.

---

### Race No. 11—Pacing.

For 2:24 Class. Patchen Vernon and Belmont Boy barred. Purse, six hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Hope, ch. g., by Tempest | Wm. B. Bradbury | San Francisco. |
| Racquet, blk. g., sire unknown | Chas. I. Haven | San Francisco. |
| Damiana, s. g., by Admiral | L. E. Clawson | San Francisco. |
| Prussian Boy, b. g., by General Benton | Peter Brandow | San Francisco. |
| Goldleaf, ch. f., by Sidney | Pleasanton St'k Farm | Pleasanton. |
| San Diego, b. g., by Victor | H. C. Airhart | San Diego. |

SUMMARY.

| | | | |
|---|---|---|---|
| Goldleaf | 1 | 1 | 1 |
| Damiana | 3 | 4 | 2 |
| San Diego | 4 | 2 | 3 |
| Little Hope | 2 | 3 | 4 |
| Racquet | dis. | | |
| Prussian Boy | dis. | | |

*Time*—2:21¼; 2:21; 2:23.

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FRIDAY, AUGUST 24, 1888.

RACE No. 12—TROTTING.

For four-year olds or under. Sixty dollars entrance; ten dollars to accompany nomination; twenty dollars, June first; fifteen dollars, July first; fifteen dollars, August seventeenth; two hundred and fifty dollars added. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Maiden, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Ella, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Carlisle, ch. c., by Piedmont | Palo Alto Stock Farm | Menlo Park. |
| Nemo, br. c., by Clay | Palo Alto Stock Farm | Menlo Park. |
| Wellington, b. c., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Mortimer, b. s., by Electioneer | Wilfred Page | Petaluma. |
| Gina Wilkes, b. f., by Guy Wilkes | San Mateo Stock Farm | San Mateo. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Ella | 1 | 1 | 2 | 1 |
| Mortimer | 2 | 2 | 1 | 2 |

*Time*—2:36; 2:29; 2:34¾; 2:35.

---

RACE No. 13—RUNNING.

For all ages. Twenty-five dollars entrance; ten dollars forfeit; one hundred and fifty dollars added. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Fusillade's Last, ch. f., by J. W. Norton | B. C. Holly | Vallejo. |
| Nancy, ch. f., by Jim Brown | B. C. Holly | Vallejo. |
| St. Patrick, s. g., by Hubbard | D. McGovern | Petaluma. |
| Oscar Wilde, b. s., by Don Victor | Enoch Yates | Santa Rosa. |
| Kildare, s. g., by imp. Kyrle Daly | H. I. Thornton | San Francisco. |

SUMMARY.

| | |
|---|---|
| Kildare | 1 |
| Fusillade's Last | 2 |
| Nancy | 3 |

*Time*—1:45½.

RACE No. 14—TROTTING.

For district two-year olds. Purse, two hundred dollars. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Secretary, blk. s., by Director | D. S. Frasier | Petaluma. |
| Geo. Washington, b. c., by Mambrino Chief, Jr. | Thos. Smith | Vallejo. |
| Henrietta D, ch. f., by Hernani | J. H. White | Lakeville. |
| Mountain Quail, b. f., by Hernani | J. H. White | Lakeville. |
| Captor, g. c., by Capri | A. J. Zane | Healdsburg. |
| G & M, b. s., by Anteeo | Guerne & Murphy | Guerneville. |
| Eclectic, b. s., by Electioneer | W. Page | Petaluma. |

SUMMARY.

| | | |
|---|---|---|
| Captor | 1 | 1 |
| Geo. Washington | 2 | 2 |

*Time*—3:00½; 2:52¾.

THURSDAY, AUGUST 23, 1888.

RACE No. 15—TROTTING.

For named horses. Purse, one thousand dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Arab, b. g., by Arthurton | O. A. Hickok | San Francisco. |
| Adair, b. g., by Electioneer | E. H. Miller | Sacramento. |
| Woodnut, s. s., by Nutwood | B. C. Holly | Vallejo. |
| Alfred S, b. g., by Elmo | H. W. Seale | Mayfield. |

SUMMARY.

| | | | |
|---|---|---|---|
| Arab | 1 | 1 | 1 |
| Woodnut | 3 | 2 | 2 |
| Alfred S | 2 | 3 | 3 |
| Adair | 4 | dr. | |

*Time*—2:21; 2:24; 2:17½.

FRIDAY, AUGUST 24, 1888.

RACE No. 16—TROTTING.

For three-year olds. Sixty dollars stake; ten dollars to accompany nominations; twenty dollars June first; fifteen dollars July fifteenth; fifteen dollars August seventeenth; two hundred and fifty dollars added. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Monteith, b. c., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Wavelet, b. f., by Piedmont | Palo Alto Stock Farm | Menlo Park. |
| Amigo, b. c., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Anselma, ch. f., by Ansel | Palo Alto Stock Farm | Menlo Park. |
| Dinah, b. m., by Prompter | W. C. Harlan | Winters. |
| Minot, b. g., by Bay Rose | E. Giddings | San Rafael. |
| Memo, blk. s., by Sidney | Jas. P. Kerr | San Francisco. |
| Redwood, b. c., by Anteeo | A. McFadgen | Santa Rosa. |
| Grandee, b. g., by Le Grande | San Mateo Stock Farm | San Mateo. |
| Direct, blk. s., by Director | Pleasanton St'k Farm | Pleasanton. |

SUMMARY.

| | | |
|---|---|---|
| Grandee | 1 | 1 |
| Direct | 2 | 2 |

*Time*—2:26; 2:23½.

---

RACE No. 18—TROTTING.

For named horses. Purse, $150. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Whalebone, b. s., by Inka | J. B. Hinkle | Petaluma. |
| Echo Royal, b. s., by Echo | Fred. Vail | Healdsburg. |
| Capri, g. s., by James Lick | S. J. Zane | Healdsburg. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Capri | 1 | 1 | 2 | 0 | 2 | 1 |
| Echo Royal | 2 | 2 | 1 | 0 | 1 | 2 |
| Whalebone | 3 | 3 | 3 | 3 | 3 | r. o. |

*Time*—2:56½; 2:49; 2:50¼; 2:49½; 2:49; 2:52¼.

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SATURDAY, AUGUST 25, 1888.

RACE No. 17—RUNNING.

For all ages. Free for all. Purse, $250. One and one half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sid, br. c., by imp. Sidarthur | B. F. Denio | Vallejo. |
| Index, blk. g., by Thad Stevens | Wm. Boots | Milpitas. |
| Leon, b. c., by Leinster | F. P. Lowell | Sacramento. |
| St. Patrick, s. g., by Hubbard | D. McGovern | Petaluma. |

SUMMARY.

| | |
|---|---|
| Index | 1 |
| Sid | 2 |

*Time*—2:43½.

---

RACE No. 19—TROTTING.

For named horses. Purse, $250. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mattie P, b. m., by Jackson Temple | D. Misner | Petaluma. |
| Flora B, br. m., by Whippleton | C. H. Crabb | Napa. |
| Don Marvin, br. s., by Fallis | F. P. Lowell | Sacramento. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Mattie P | 3 | 1 | 1 | 1 |
| Flora B | 1 | 2 | 2 | 3 |
| Don Marvin | 2 | 3 | 3 | 2 |

*Time*—2:35; 2:31¼; 2:31; 2:36.

RACE NO. 20—TROTTING.

For district 2:38 class. Purse, $400. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hernani, b. s., by Electioneer | J. H. White | Lakeville. |
| Frank O'Neil, b. g., by Whippleton | James Corcoran | Petaluma. |
| Economy, b. f., by Echo | B. C. Holly | Vallejo. |
| Roena, by Echo | G. Pacheco | Novato. |
| Burton, blk. g., by Naubue | C. W. Gardner | Napa. |
| Annetto, b. m., by Anteeo | M. O'Reily | Petaluma. |
| Mambrino Chief, Jr., by Clark's Chief | Thomas Smith | Vallejo. |

SUMMARY.

| | | | |
|---|---|---|---|
| Economy | 1 | 1 | 1 |
| Frank O'Neil | 2 | 2 | 3 |
| Hernani | 3 | 3 | 2 |
| Roena | dis. | | |
| Burton | dis. | | |

*Time*—2:30¼; 2:33½; 2:31½.

# TRANSACTIONS

OF THE

# FIFTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of San Mateo and Santa Clara.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| E. TOPHAM | President. |
| G. H. BRAGG | Secretary. |
| W. D. TISDALE | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| E. TOPHAM | Milpitas. |
| J. W. REA | San José. |
| E. YOUNGER | San José. |
| G. B. POLHEMUS | San José. |
| S. N. RUCKER | San José. |
| H. H. MAIN | San José. |
| ALEX. GORDON | Redwood City. |

# REPORT.

SAN JOSÉ, October 10, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Fifth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

G. H. BRAGG, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Balance in hands of Treasurer | $8 93 | |
| Race entrances and forfeits | 1,890 00 | |
| Pool and park privileges | 4,111 96 | |
| Gate receipts | 3,895 00 | |
| State warrant | 1,800 00 | |
| | | $11,705 89 |

*Expenditures.*

| | | |
|---|---|---|
| National Trotting Association | $81 00 | |
| Lithograph posters | 133 00 | |
| Printing and advertising | 578 35 | |
| Paid in purses and stakes | 5,881 00 | |
| Paid in premiums | 982 00 | |
| Help and Secretary's salary | 1,220 50 | |
| Hay and straw | 552 60 | |
| Music | 144 00 | |
| Entrance money returned to Palo Alto Stock Farm (death of Lowell and Cedric) | 20 00 | |
| Bill posting | 74 93 | |
| Water | 85 00 | |
| Rent of grounds | 900 00 | |
| Sundry bills (tickets, books, etc.) | 144 58 | |
| Balance cash on hand | 908 93 | |
| | | $11,705 89 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Inauguration, four years old or over | William Boots | Milpitas. |
| Bob Wooding, four years old or over | William Boots | Milpitas. |
| Ben Hur, two years old | F. H. Burke | Menlo Park. |
| Dick, one year old | William Dwyer | San José. |
| Earthquake, one year old | H. C. Judson | Santa Clara. |
| Willie D, one year old | H. C. Judson | Santa Clara. |
| ——, one year old | H. C. Judson | Santa Clara. |
| ——, under one year | William Boots | Milpitas. |
| Bijou, under one year | C. Ouer | San José. |
| MARES. | | |
| Gertser, four years old or over | H. C. Judson | Santa Clara. |
| ——, four years old or over | H. C. Judson | Santa Clara. |
| Beauty, four years old or over | William Boots | Milpitas. |
| Glady, four years old or over | William Boots | Milpitas. |
| ——, two years old | H. C. Judson | Santa Clara. |
| Vinctura, two years old | William Boots | Milpitas. |
| Installation, two years old | William Boots | Milpitas. |
| Ledette, two years old | William Boots | Milpitas. |
| Gladette, two years old | William Boots | Milpitas. |
| ——, one year old | H. C. Judson | Santa Clara. |
| ——, one year old | H. C. Judson | Santa Clara. |
| ——, one year old | H. C. Judson | Santa Clara. |
| ——, one year old | William Boots | Milpitas. |
| ——, one year old | William Boots | Milpitas. |
| ——, one year old | William Boots | Milpitas. |
| ——, under one year | William Boots | Milpitas. |
| ROADSTERS—STALLIONS. | | |
| Woodnut, four years old or over | James Weatherhead | San José. |
| Nutwood Boy, four years old or over | J. R. Buffington | San José. |
| Eros, four years old or over | F. H. Burke | Menlo Park. |
| Frank James, four years old or over | D. E. Gish | San José. |
| Baywood, four years old or over | E. S. Smith | San José. |
| Adventurer, four years old or over | Ben. E. Harris | San Francisco. |
| Hollywood, three years old | James Weatherhead | San José. |
| Peter, three years old | E. S. Smith | San José. |
| Hume H, two years old | D. J. Murphy | San José. |
| Robin Adair, two years old | A. O. Hooker | San José. |
| Woodbine, two years old | James Weatherhead | San José. |
| Almoone, Jr., two years old | J. Savidan | San José. |
| White Wings, one year old | George P. Bull | San José. |
| MARES. | | |
| Lady Gray, four years old or over | A. O. Hooker | San José. |
| Lady Gem, four years old or over | I. C. Ballard | San José. |
| Daisy May, four years old or over | A. L. Chapman | Santa Clara. |
| Scrip, four years old or over | I. N. Thompson | Santa Clara. |
| Lady Nutwood, four years old or over | E. Topham | Milpitas. |
| Fearless, four years old or over | Ben. E. Harris | San Francisco. |
| Bopeep, three years old | George P. Bull | San José. |
| Daisy, three years old | W. S. Neal | Watsonville. |
| Wanda, three years old | F. H. Burke | Menlo Park. |
| Flora, three years old | James Weatherhead | San José. |
| Pearl, two years old | P. C. Waltenbaugh | Livermore. |
| Mariquita, two years old | F. H. Burke | Menlo Park. |
| Sylvia, one year old | E. Topham | Milpitas. |
| Lorena, one year old | Ben. E. Harris | San Francisco. |
| Harry Mac, gelding | Ben. E. Harris | San Francisco. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| SADDLE HORSE—MARE OR GELDING. | | |
| Black Jack | C. Wade | San José. |
| Gypsy | I. N. Thompson | Santa Clara. |
| Aleck | I. N. Thompson | Santa Clara. |
| Scott | Ben. E. Harris | San Francisco. |
| CARRIAGE HORSES—MATCHED SPAN. | | |
| Don and Harold | William Buckley | San José. |
| Allen and Bruce | Ben. E. Harris | San Francisco. |
| Padre and Rustler | William Boots | Milpitas. |
| ROADSTER TEAMS. | | |
| Frank and Tom | L. Steiger | San José. |
| Lulu and Mattie | W. E. Goldsworthy | San José. |
| GRADED DRAFT—STALLIONS. | | |
| Prince Albert, Jr., four years old or over | D. J. Murphy | San José. |
| Montezuma, three years old | George P. Bull | San José. |
| Sam, three years old | George Easton | Gilroy. |
| Ben, three years old | J. Carrick | Milpitas. |
| Grantshire, two years old | Mrs. R. Mathews | San José. |
| MARES. | | |
| Clara, four years old or over | D. J. Murphy | San José. |
| Topsy, four years old or over | D. J. Murphy | San José. |
| Chub, four years old or over | George Easton | Gilroy. |
| Bessie, four years old or over | F. H. Burke | Menlo Park. |
| Norma, four years old or over | F. H. Burke | Menlo Park. |
| Coley, three years old | D. J. Murphy | San José. |
| Sally, two years old | D. J. Murphy | San José. |
| Chub, one year old | D. J. Murphy | San José. |
| Lottie, one year old | D. J. Murphy | San José. |
| Jess, one year old | F. H. Burke | Menlo Park. |
| SUCKLING COLTS. | | |
| Ida | D. J. Murphy | San José. |
| Annie | D. J. Murphy | San José. |
| Bess | George Easton | Gilroy. |
| —— | F. H. Burke | Menlo Park. |
| —— | F. H. Burke | Menlo Park. |
| SUFFOLK PUNCH—STALLIONS. | | |
| Pioneer, four years old | Robert Orr | Hollister. |
| Saulsbury, three years old | Robert Orr | Hollister. |
| FAMILIES. | | |
| Inauguration, sire and five colts | Wm. Boots | Milpitas. |
| Bob Wooding, sire and five colts | Wm. Boots | Milpitas. |
| Beauty, dam and three colts | Wm. Boots | Milpitas. |
| Brown Maria, dam and three colts | Wm. Boots | Milpitas. |
| Woodnut, sire and five colts | James Weatherhead | San José. |
| Nutwood Boy, sire and eight colts | J. R. Buffington | San José. |
| Nellie Allen, dam and three colts | A. O. Hooker | San José. |
| Lady Nutwood, dam and three colts | E. Topham | San José. |
| Prince Albert, Jr., stallion and colt | D. J. Murphy | San José. |
| HORSES OF ALL WORK—STALLIONS. | | |
| Dick Patchen, four years old or over | D. J. Murphy | San José. |
| Cal. Whalen, four years old or over | D. M. Ayers | San José. |
| Duke of Edinburgh, four years old or over | C. L. Fox | San José. |
| Echerson, four years old or over | Robert Orr | Hollister. |
| Kismet, three years old | George P. Bull | San José. |
| Frank B, three years old | I. C. Ballard | San José. |
| Acme, two years old | Evans Bros. | Milpitas. |
| Storm, two years old | Ben. E. Harris | San Francisco. |
| Buff, suckling colt | George P. Bull | San José. |
| Brentwood, suckling colt | Ben. E. Harris | San Francisco. |
| ——, suckling colt | Wm. Boots | Milpitas. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| MARES. | | |
| Sweetwood, four years old or over | Ben. E. Harris | San Francisco. |
| Nora, four years old or over | Wm. Boots | Milpitas. |
| Daphne, four years old or over | George P. Bull | San José. |
| Alice, four years old or over | George P. Bull | San José. |
| Phillis, four years old or over | George P. Bull | San José. |
| Maud, four years old or over | I. C. Ballard | San José. |
| DURHAM CATTLE—BULLS. | | |
| Maxwell Chief, three years old or over | Bradley Ranch | San José. |
| Grand Prince of Baden, three years old or over | R. Ashburner | Baden. |
| 3d Kirklevington of Forest Home, three years old or over | C. Younger & Son | San José. |
| 5th Kirklevington of Forest Home, three years old or over | C. Younger & Son | San José. |
| 26th Kirklevington of F. H., two years old | C. Younger & Son | San José. |
| Baden Duke 24th, one year old | R. Ashburner | Baden. |
| Colonel, one year old | R. Ashburner | Baden. |
| Laurel Airdrie 5th, one year old | R. Ashburner | Baden. |
| Baron Gwynne 12th, bull calf | R. Ashburner | Baden. |
| Oxford Duke 3d, bull calf | R. Ashburner | Baden. |
| Rosario, bull calf | R. Ashburner | Baden. |
| 43d Kirklevington of F. H., bull calf | C. Younger & Son | San José. |
| COWS. | | |
| Queen of the Valley and calf | Bradley Ranch | San José. |
| 21st Rose of Forest Home and calf | C. Younger & Son | San José. |
| 28th Rose of Forest Home and calf | C. Younger & Son | San José. |
| Constance B, three years old or over | Bradley Ranch | San José. |
| Minstrel Gwynne 2d, three years old or over | R. Ashburner | Baden. |
| Red Rose of Cedar 3d, three years old or over | R. Ashburner | Baden. |
| Pansy 17th, three years old or over | R. Ashburner | Baden. |
| Jessie Maynard 3d, three years old or over | C. Younger & Son | San José. |
| 4th Belle of Forest Home, three years old or over | C. Younger & Son | San José. |
| Laura B, two years old | Bradley Ranch | San José. |
| Lady Jane, two years old | Bradley Ranch | San José. |
| Adeline, two years old | R. Ashburner | Baden. |
| Jessie Maynard 4th, two years old | C. Younger & Son | San José. |
| Amelia 12th, two years old | C. Younger & Son | San José. |
| Fannie B, one year old | Bradley Ranch | San José. |
| Rose B, one year old | Bradley Ranch | San José. |
| Queen of the Meadow, one year old | Bradley Ranch | San José. |
| Oxford London Duchess 2d, one year old | R. Ashburner | Baden. |
| Oxford Rose 11th, one year old | C. Younger & Son | San José. |
| Nevada Belle 8th, one year old | C. Younger & Son | San José. |
| ——, heifer calf | Bradley Ranch | San José. |
| Golden Pippin 15th, heifer calf | R. Ashburner | Baden. |
| Oxford Rose 12th, heifer calf | C. Younger & Son | San José. |
| HEREFORD CATTLE—COWS. | | |
| Miss Gaudy, one year old | F. H. Burke | Menlo Park. |
| JERSEY CATTLE—BULLS. | | |
| Prince, three years old or over | George B. Polhemus | Coyote. |
| Eugene, one year old | George B. Polhemus | Coyote. |
| Bob, bull calf | George B. Polhemus | Coyote. |
| COWS. | | |
| Katie Felton and May, cow and calf | George B. Polhemus | Coyote. |
| Cherry 2d, three years old or over | George B. Polhemus | Coyote. |
| Jersey Lily, three years old or over | George B. Polhemus | Coyote. |
| Jane Mead, two years old | George B. Polhemus | Coyote. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| HOLSTEIN CATTLE—BULLS. | | |
| Romley, three years old or over | George B. Polhemus | Coyote. |
| Ansonia, three years old or over | George B. Polhemus | Coyote. |
| Cortez, two years old | F. H. Burke | Menlo Park. |
| Egmond Pride, one year old | George B. Polhemus | Coyote. |
| Royal Son, one year old | George B. Polhemus | Coyote. |
| Major Egmond, bull calf | George B. Polhemus | Coyote. |
| Greet Van Diepen's R. P., bull calf | George B. Polhemus | Coyote. |
| COWS. | | |
| Rebecca Egmond and calf | George B. Polhemus | Coyote. |
| Aut Poel and calf | George B. Polhemus | Coyote. |
| Prince of Twisk's Laura and calf | F. H. Burke | Menlo Park. |
| Greet Boots, three years old or over | George B. Polhemus | Coyote. |
| Greet Van Diepen, three years old or over | George B. Polhemus | Coyote. |
| Aggie Lelia 3d, three years old or over | F. H. Burke | Menlo Park. |
| Fanje 2d, two years old | George B. Polhemus | Coyote. |
| Aut Poel 2d, two years old | George B. Polhemus | Coyote. |
| Chrysanthemum, two years old | F. H. Burke | Menlo Park. |
| Korvertje 3d, two years old | F. H. Burke | Menlo Park. |
| Betje Egmond 3d, one year old | George B. Polhemus | Coyote. |
| Lady Brackenhoff, heifer calf | George B. Polhemus | Coyote. |
| Lizzie Blacker, heifer calf | George B. Polhemus | Coyote. |
| ANGUS OR GALLOWAYS—COWS. | | |
| Daisy, three years old or over | F. H. Burke | Menlo Park. |
| Bonnie Bluebell, two years old | F. H. Burke | Menlo Park. |
| GRADED CATTLE—COWS. | | |
| Saxe, three years old or over | George B. Polhemus | Coyote. |
| June Rose, three years old or over | R. Ashburner | Baden. |
| Rose, three years old or over | I. N. Thompson | Santa Clara. |
| Queen, three years old or over | I. N. Thompson | Santa Clara. |
| Cactus, two years old | R. Ashburner | Baden. |
| Marmalade, one year old | R. Ashburner | Baden. |
| HERDS FOR BEEF PURPOSES. | | |
| Maxwell Chief, Mabel B, Constance B, Bettie B, Lady Howard | Bradley Ranch | San José. |
| Grand Prince of Baden, Minstrel Gwynne 2d, Adeline, Red Rose of Cedar 3d, Pansy 17th | R. Ashburner | Baden. |
| 3d Kirklevington of F. H., Jessie Maynard 4th, Jessie Maynard 3d, 4th Belle of Forest Home, Amelia 12th | C. Younger & Son | San José. |
| HERDS FOR DAIRY PURPOSES. | | |
| Romley, Rebecca Egmond, Aut Poel, Gertje Boots, Greet Van Diepen, Anna Egmond, Pansje Veerman, Betje Egmond | George B. Polhemus | Coyote. |
| Prince, Cherry 2d, Jersey Maid, Katie Felton, Jersey Lily, Fairy 4th, Lady Mac | George B. Polhemus | Coyote. |
| Cortez, Prince of Twisk's Laura, Aggie Lelia 3d, Korvertje 3d, Chrysanthemum | F. H. Burke | Menlo Park. |
| HERD OF ANY BREED OR AGE. | | |
| Grand Prince of Baden, Minstrel Gwynne 2d, Red Rose of Cedar, Pansy 17th, Adeline | R. Ashburner | Baden. |
| 3d Kirklevington of F. H., Jessie Maynard 3d, Jessie Maynard 4th, 4th Belle of F. H., Amelia 12th | C. Younger & Son | San José. |
| Romley, Rebecca Egmond, Aut Poel, Gertje Boots, Geest Van Diepen, Anna Egmond, Pansje Veerman, Betje Egmond | George B. Polhemus | Coyote. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| SWEEPSTAKES—(ANY AGE OR BREED)—BULLS. | | |
| Ansonia | George B. Polhemus | Coyote. |
| Maxwell Chief | Bradley Ranch | San José. |
| Grand Prince of Baden | R. Ashburner | Baden. |
| 3d Kirklevington of Forest Home | C. Younger & Son | San José. |
| 5d Kirklevington of Forest Home | C. Younger & Son | San José. |
| 26th Kirklevington of Forest Home | C. Younger & Son | San José. |
| Cortez | F. H. Burke | Menlo Park. |
| COWS. | | |
| Rebecca Egmond | George B. Polhemus | Coyote. |
| Minstrel Gwynne 2d | R. Ashburner | Baden. |
| Red Rose of Cedar | R. Ashburner | Baden. |
| Jessie Maynard 3d | C. Younger & Son | San José. |
| Jessie Maynard 4th | C. Younger & Son | San José. |
| Oxford Rose 11th | C. Younger & Son | San José. |
| 4th Belle of Forest Home | C. Younger & Son | San José. |
| Aggie Lelia 2d | F. H. Burke | Menlo Park. |
| Bonnie Bluebell | F. H. Burke | Menlo Park. |
| SHEEP. | | |
| Terry, Merino ram | H. C. Agnew | Agnews. |
| Jennie, Merino ewe | H. C. Agnew | Agnews. |
| Aeth, Merino ewe | H. C. Agnew | Agnews. |
| Pen of three Merino ram lambs | H. C. Agnew | Agnews. |
| Pen of five Merino ewe lambs | H. C. Agnew | Agnews. |
| Just Right, Cotswold ram | C. Younger & Son | San José. |
| ——, Cotswold ewe | C. Younger & Son | San José. |
| Pen of three Cotswold ram lambs | C. Younger & Son | San José. |
| GOATS. | | |
| ——, Angora buck | C. P. Bailey | San José. |
| Pen of three Angora kids | C. P. Bailey | San José. |
| Pen of five Angora does | C. P. Bailey | San José. |
| POULTRY. | | |
| One pair of Plymouth Rock fowls | O. J. Albee | Lawrence. |
| One pair of Plymouth Rock chicks | O. J. Albee | Lawrence. |
| One pair of Plymouth Rock chicks | O. J. Albee | Lawrence. |
| One pair of Partridge Cochin fowls | O. J. Albee | Lawrence. |
| One pair of Partridge Cochin chicks | O. J. Albee | Lawrence. |
| One pair of Partridge Cochin chicks | O. J. Albee | Lawrence. |
| One pair of Langshan fowls | O. J. Albee | Lawrence. |
| One pair of Langshan chicks | O. J. Albee | Lawrence. |
| One pair of Langshan chicks | O. J. Albee | Lawrence. |
| One pair of Seabright Bantam fowls | Wm. Fischer | San José. |
| One pair of Seabright Bantam chicks | Wm. Fischer | San José. |
| One pair of Seabright Bantam chicks | Wm. Fischer | San José. |
| One pair of Brown Leghorn fowls | O. J. Albee | Lawrence. |
| One pair of Brown Leghorn chicks | O. J. Albee | Lawrence. |
| One pair of Brown Leghorn chicks | O. J. Albee | Lawrence. |
| One pair of Laced Wyandotte fowls | O. J. Albee | Lawrence. |
| One pair of Laced Wyandotte chicks | O. J. Albee | Lawrence. |
| One pair of White Wyandotte chicks | O. J. Albee | Lawrence. |
| One pair of White Langshan chicks | O. J. Albee | Lawrence. |
| One pair of White Plymouth Rock chicks | O. J. Albee | Lawrence. |
| One pair of Seabright Speckled Bantam fowls | Wm. Fischer | San José. |
| Best and largest collection of poultry | O. J. Albee | Lawrence. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| THOROUGHBREDS—STALLIONS. | | | |
| Bob Wooding, four years old or over | Wm. Boots | Milpitas | $15 00 |
| Inauguration, four years old or over | Wm. Boots | Milpitas | $8 00 |
| Willie D, one year old | H. C. Judson | Santa Clara | $5 00 |
| Earthquake, one year old | H. C. Judson | Santa Clara | $3 00 |
| ——, under one year | Wm. Boots | Milpitas | $5 00 |
| Bijou, under one year | C. Ouer | San José | $2 00 |
| MARES. | | | |
| Beauty, four years old or over | Wm. Boots | Milpitas | $12 00 |
| Gertser, four years old or over | H. C. Judson | Santa Clara | $6 00 |
| Vinctura, two years old | Wm. Boots | Milpitas | $5 00 |
| ——, two years old | H. C. Judson | Santa Clara | $3 00 |
| ——, one year old | H. C. Judson | Santa Clara | $4 00 |
| ——, one year old | H. C. Judson | Santa Clara | $2 00 |
| ——, under one year | Wm. Boots | Milpitas | $4 00 |
| ROADSTERS—STALLIONS. | | | |
| Eros, four years old or over | F. H. Burke | Menlo Park | $10 00 |
| Baywood, four years old or over | E. S. Smith | San José | $5 00 |
| Peter, three years old | E. S. Smith | San José | $5 00 |
| Hollywood, three years old | Jas. Weatherhead | San José | $3 00 |
| Robin Adair, two years old | A. O. Hooker | San José | $4 00 |
| Almoone, Jr., two years old | J. Savidan | San José | $2 00 |
| Whitewings, one year old | Geo. P. Bull | San José | $2 00 |
| MARES. | | | |
| Fearless, four years old or over | Ben. E. Harris | San Francisco | $8 00 |
| Lady Nutwood, four years old or over | E. Topham | Milpitas | $4 00 |
| Wanda, three years old | F. H. Burke | Menlo Park | $5 00 |
| Bopeep, three years old | Geo. P. Bull | San José | $3 00 |
| Mariquita, two years old | F. H. Burke | Menlo Park | $4 00 |
| Pearl, two years old | P. C. Waltenbaugh | Livermore | $2 00 |
| Sylvia, one year old | E. Topham | Milpitas | $2 00 |
| GELDINGS. | | | |
| Harry Mac | Ben. E. Harris | San Francisco | $10 00 |
| SADDLE HORSES—MARES OR GELDINGS. | | | |
| Scott | Ben. E. Harris | San Francisco | $5 00 |
| Black Jack | C. Wade | San José | $2 00 |
| CARRIAGE TEAMS. | | | |
| Don and Harold, matched team | Wm. Buckley | San José | $15 00 |
| Allen and Bruce, matched team | Ben. E. Harris | San Francisco | $10 00 |
| Lulu and Mattie, roadster team | W. E. Goldsworthy | San José | $10 00 |
| Frank and Tom, roadster team | L. Steiger | San José | $5 00 |
| GRADED DRAFT HORSES—STALLIONS. | | | |
| Prince Albert, four years old or over | D. J. Murphy | San José | $10 00 |
| Montezuma, three years old | Geo. P. Bull | San José | $6 00 |
| Sam, three years old | Geo. Easton | Gilroy | $3 00 |
| Grantshire, two years old | Mrs. R. Mathews | San José | $5 00 |
| MARES. | | | |
| Clara, four years old or over | D. J. Murphy | San José | $8 00 |
| Norma, four years old or over | F. H. Burke | Menlo Park | $4 00 |
| Coley, three years old | D. J. Murphy | San José | $5 00 |
| Sally, two years old | D. J. Murphy | San José | $4 00 |
| Chub, one year old | D. J. Murphy | San José | $3 00 |
| Ida, suckling colt | D. J. Murphy | San José | $2 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| SUFFOLK PUNCH—STALLIONS. | | | |
| Pioneer, four years old | Robert Orr | Hollister | Medal. |
| Saulsbury, three years old | Robert Orr | Hollister | Medal. |
| FAMILIES. | | | |
| Bob Wooding, sire and five colts | Wm. Boots | Milpitas | $20 00 |
| Inauguration, sire and five colts | Wm. Boots | Milpitas | $10 00 |
| Beauty, dam and three colts | Wm. Boots | Milpitas | $10 00 |
| Brown Maria, dam and three colts | Wm. Boots | Milpitas | $5 00 |
| Woodnut, sire and five colts | Jas. Weatherhead | San José | $15 00 |
| Nutwood Boy, sire and five colts | J. R. Buffington | San José | $8 00 |
| Lady Nutwood, dam and three colts | E. Topham | Milpitas | $10 00 |
| Nellie Allen, dam and three colts | Dr. A. O. Hooker | San José | $5 00 |
| Prince Albert, sire and seven colts | D. J. Murphy | San José | $10 00 |
| HORSES OF ALL WORK—STALLIONS. | | | |
| Echerson, four years old or over | Robert Orr | Hollister | $10 00 |
| Dick Patchen, four years old or over | D. J. Murphy | San José | $5 00 |
| Frank B, three years old | I. C. Ballard | San José | $6 00 |
| Kismet, three years old | Geo. P. Bull | San José | $3 00 |
| Acme, two years old | Evans Bros. | Milpitas | $4 00 |
| Storm, two years old | Ben. E. Harris | San Francisco | $2 00 |
| Brentwood, suckling colt | Ben. E. Harris | San Francisco | $2 00 |
| MARES. | | | |
| Sweetwood, four years old or over | Ben. E. Harris | San Francisco | $8 00 |
| Alice, four years old or over | Geo. P. Bull | San José | $4 00 |
| Phillis, three years old | Geo. P. Bull | San José | $5 00 |
| Maud, suckling colt | I. C. Ballard | San José | $2 00 |
| DURHAM CATTLE—BULLS. | | | |
| 5th Kirklevington of Forest Home, three years old or over | C. Younger & Son | San José | $15 00 |
| 3d Kirklevington of Forest Home, three years old or over | C. Younger & Son | San José | $8 00 |
| 26th Kirklevington of Forest Home, two years old | C. Younger & Son | San José | $10 00 |
| Baden Duke 24th, one year old | R. Ashburner | Baden | $5 00 |
| Colonel, one year old | R. Ashburner | Baden | $3 00 |
| Baron Gwynne 12th, bull calf | R. Ashburner | Baden | $4 00 |
| 43d Kirklevington of Forest Home, bull calf | C. Younger & Son | San José | $2 00 |
| COWS. | | | |
| 21st Rose of Forest Home and calf | C. Younger & Son | San José | $10 00 |
| Queen of the Valley and calf | Bradley Ranch | San José | $5 00 |
| 4th Belle of Forest Home, three years old or over | C. Younger & Son | San José | $10 00 |
| Pansy 17th, three years old or over | R. Ashburner | Baden | $5 00 |
| Amelia 12th, two years old | C. Younger & Son | San José | $8 00 |
| Jessie Maynard 4th, two years old | C. Younger & Son | San José | $4 00 |
| Oxford Rose 11th, one year old | C. Younger & Son | San José | $5 00 |
| Fannie B, one year old | Bradley Ranch | San José | $3 00 |
| Oxford Rose 12th, heifer calf | C. Younger & Son | San José | $3 00 |
| Golden Pippin 15th, heifer calf | R. Ashburner | Baden | $2 00 |
| HEREFORD CATTLE—COWS. | | | |
| Miss Gaudy, one year old | F. H. Burke | Menlo Park | $5 00 |
| JERSEY CATTLE—BULLS. | | | |
| Prince, three years old or over | Geo. B. Polhemus | Coyote | $15 00 |
| Eugene, one year old | Geo. B. Polhemus | Coyote | $5 00 |
| Bob, bull calf | Geo. B. Polhemus | Coyote | $4 00 |
| COWS. | | | |
| Katie Felton and calf | Geo. B. Polhemus | Coyote | $10 00 |
| Cherry 2d, three years old or over | Geo. B. Polhemus | Coyote | $10 00 |
| Jersey Lily, three years old or over | Geo. B. Polhemus | Coyote | $5 00 |
| Jane Mead, two years old | Geo. B. Polhemus | Coyote | $8 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| HOLSTEIN CATTLE—BULLS. | | | |
| Romley, three years old or over | Geo. B. Polhemus | Coyote | $15 00 |
| Ansonia, three years old or over | Geo. B. Polhemus | Coyote | $8 00 |
| Cortez, two years old | F. H. Burke | Menlo Park | $10 00 |
| Egmond Pride, one year old | Geo. B. Polhemus | Coyote | $5 00 |
| Royal Son, one year old | Geo. B. Polhemus | Coyote | $3 00 |
| Major Egmond, bull calf | Geo. B. Polhemus | Coyote | $1 00 |
| Greet Van Diepen's Royal Prince, bull calf | Geo. B. Polhemus | Coyote | $2 00 |
| COWS. | | | |
| Rebecca Egmond and calf | Geo. B. Polhemus | Coyote | $5 00 |
| Aut Poel and calf | Geo. B. Polhemus | Coyote | $10 00 |
| Gerje Boots, three years old or over | Geo. B. Polhemus | Coyote | $10 00 |
| Greet Van Diepen, three years old or over | Geo. B. Polhemus | Coyote | $5 00 |
| Chrysanthemum, two years old | F. H. Burke | Menlo Park | $8 00 |
| Aut Poel 2d, two years old | Geo. B. Polhemus | Coyote | $4 00 |
| Betje Egmond 3d, one year old | Geo. B. Polhemus | Coyote | $5 00 |
| Lady Brackenhoff, heifer calf | Geo. B. Polhemus | Coyote | $3 00 |
| Lizzie Blacker, heifer calf | Geo. B. Polhemus | Coyote | $2 00 |
| ANGUS OR GALLOWAYS—COWS. | | | |
| Bonnie Bluebell, three years old or over | F. H. Burke | Menlo Park | $10 00 |
| Daisy, three years old or over | F. H. Burke | Menlo Park | $5 00 |
| GRADED CATTLE—COWS. | | | |
| Saxe, three years old or over | Geo. B. Polhemus | Coyote | $8 00 |
| June Rose, three years old or over | R. Ashburner | Baden | $4 00 |
| Cactus, two years old | R. Ashburner | Baden | $5 00 |
| Marmalade, one year old | R. Ashburner | Baden | $3 00 |
| HERDS—FOR BEEF PURPOSES. | | | |
| 3d Kirklevington of Forest Home, Jessie Maynard 4th, Jessie Maynard 3d, 4th Belle of Forest Home, Amelia 12th | C. Younger & Son | San José | $15 00 |
| Grand Prince of Baden, Minstrel Gwynne 2d, Pansy 17th, Red Rose of Cedar, Adeline | R. Ashburner | Baden | $8 00 |
| FOR DAIRY PURPOSES. | | | |
| Romley, Rebecca Egmond, Aut Poel, Gertje Boots, Greet Van Diepen, Anna Egmond, Pansje Veerman, Betje Egmond | Geo. B. Polhemus | Coyote | $15 00 |
| Cortez, Aggie Lelia 2d, Prince of Twisk's Laura, Korvertje 3d, Chrysanthemum | F. H. Burke | Menlo Park | $ 800 |
| HERDS OF ANY BREED OR AGE. | | | |
| Grand Prince of Baden 2d, Minstrel Gwynne 2d, Red Rose of Cedar, Pansy 17th, Adeline | R. Ashburner | Baden | $15 00 |
| 3d Kirklevington of Forest Home, Jessie Maynard 3d, Jessie Maynard 4th, 7th Belle of Forest Home, Amelia 12th | C. Younger & Son | San José | $8 00 |
| SWEEPSTAKES—(ANY BREED OR AGE)—BULLS. | | | |
| 3d Kirklevington of Forest Home | C. Younger & Son | San José | $15 00 |
| COWS. | | | |
| Minstrel Gwynne 2d | R. Ashburner | Baden | $15 00 |
| SHEEP. | | | |
| Terry, Merino ram | H. C. Agnew | Agnews | $6 00 |
| Jennie, Merino ewe | H. C. Agnew | Agnews | $6 00 |
| Althea, Merino ewe | H. C. Agnew | Agnews | $3 00 |
| Pen of three ram lambs | H. C. Agnew | Agnews | $5 00 |
| Pen of five ewe lambs | H. C. Agnew | Agnews | $5 00 |
| Just Right, Cotswold ram | C. Younger & Son | San José | $6 00 |
| ——, Cotswold ewe | C. Younger & Son. | San José | $6 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| GOATS. | | | |
| Angora buck | C. P. Bailey | San José | $6 00 |
| Pen of three Angora kids | C. P. Bailey | San José | $5 00 |
| Pen of five Angora does | C. P. Bailey | San José | $5 00 |
| POULTRY. | | | |
| One pair of Plymouth Rock fowls | O. J. Albee | Lawrence | $2 00 |
| One pair of Plymouth Rock chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of Plymouth Rock chicks | O. J. Albee | Lawrence | $1 00 |
| One pair of Partridge Cochin fowls | O. J. Albee | Lawreuce | $2 00 |
| One pair of Partridge Cochin chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of Partridge Cochin chicks | O. J. Albee | Lawrence | $1 00 |
| One pair of Langshan fowls | O. J. Albee | Lawrence | $2 00 |
| One pair of Langshan chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of Brown Leghorn fowls | O. J. Albee | Lawrence | $2 00 |
| One pair of Brown Leghorn chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of Brown Leghorn chicks | O. J. Albee | Lawrence | $1 00 |
| One pair of Laced Wyandotte fowls | O. J. Albee | Lawrence | $2 00 |
| One pair of Laced Wyandotte chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of White Wyandotte chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of White Langshan chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of White Plymouth Rock chicks | O. J. Albee | Lawrence | $2 00 |
| One pair of Seabright Bantam fowls | Wm. Fischer | San José | $2 00 |
| One pair of Seabright Bantam chicks | Wm. Fischer | San José | $2 00 |
| One pair of Seabright Bantam chicks | Wm. Fischer | San José | $1 00 |
| One pair of Seabright Speckled fowls | Wm. Fischer | San José | $2 00 |
| Best and largest collection of poultry | O. J. Albee | Lawrence | $10 00 |

## AGRICULTURAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| AGRICULTURAL IMPLEMENTS, ETC. | | | |
| Display of agricultural implements | B. Griswold | San José | $20 00 |
| Hay and straw cutter | B. Griswold | San José | Diploma. |
| Gang plow | B. Griswold | San José | $10 00 |
| Sidehill plow | B. Griswold | San José | $5 00 |
| Vineyard and orchard plow | B. Griswold | San José | $5 00 |
| Open ditching plow | B. Griswold | San José | $5 00 |
| Plow for all purposes | B. Griswold | San José | $5 00 |
| CARRIAGES AND BUGGIES. | | | |
| Two-horse family carriage, with top | B. Griswold | San José | $10 00 |
| One-horse family carriage, with top | B. Griswold | San José | $5 00 |
| Top buggy | B. Griswold | San José | $5 00 |
| Open buggy | B. Griswold | San José | $5 00 |
| Two-seated surrey | B. Griswold | San José | $5 00 |
| Fruit wagon | B. Griswold | San José | $5 00 |
| Driving cart | B. Griswold | San José | $5 00 |
| Ladies' phaeton | B. Griswold | San José | $5 00 |
| Delivery wagon | B. Griswold | San José | $5 00 |
| AGRICULTURAL PRODUCTS. | | | |
| Bread corn | A. L. Chapman | Santa Clara | $3 00 |

# SPEED PROGRAMME.

MONDAY, SEPTEMBER 24, 1888.

RACE NO. 1—BUGGY RACE.

Free purse, seventy-five dollars; fifty dollars to first horse; twenty-five dollars to second horse. Horses to be eligible to this class must have been used exclusively for buggy purposes. Owners to drive. Mile and repeat. The Board reserves the right to reject any and all entries. Entries close Saturday, September twenty-second.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| X E B, b. g. | X. E. Burns | San José. |
| Pilot, b. g. | W. L. Appleby | Santa Clara. |
| Billy Dixie | H. C. Ahlers | San José. |
| Old Sport, bux. g. | James Howard | San José. |
| Pink, b. m. | Geo. Glendenning | San José. |

SUMMARY.

| | | |
|---|---|---|
| Old Sport | 1 | 1 |
| X E B | 2 | 2 |
| Billy Dixie | 3 | 3 |
| Pink | 4 | 4 |
| Pilot | 5 | 5 |

*Time*—2:47½; 2:42½.

SPECIAL STALLION RACE—TROTTING.

Purse, three hundred and fifty dollars. Mile heats; three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bismarck, s. s., by Index | J. W. Gordon | San José. |
| Pedro, b. s., by Dan Voorhies | L. Simmonds | Stockton. |
| Argent, b. s., by Sterling | R. H. Walton | San José. |
| Guy Davis, by Erwin Davis | J. M. Ayers | Oakland. |
| Ross S, by Nutwood | Sargent Bros. | Sargents. |

SUMMARY.

| | | | |
|---|---|---|---|
| Argent | 1 | 1 | 1 |
| Bismarck | 2 | 2 | 2 |
| Pedro | 3 | 3 | 3 |
| Guy Davis | dis. | | |

*Time*—2:30½; 2:29¼; 2:30.

TUESDAY, SEPTEMBER 25, 1880.

RACE NO. 2—TROTTING.

2:35 Class. Purse, $400. Mile heats; three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ben Ali, by Geo. M. Patchen, Jr. | J. A. Goldsmith | San Mateo. |
| Sonnet, by Bentonian | Palo Alto Stock Farm | San Mateo. |
| Maggie E, by Nutwood | S. B. Emerson | Mountain View. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Ben Ali | 1 | 1 | 2 | 2 | 1 |
| Maggie E | 2 | 2 | 1 | 1 | 2 |
| Sonnet | 3 | 3 | 3 | 3 | |

*Time*—2:28; 2:22; 2:23; 2:19¾; 2:23.

SPECIAL RACE—TROTTING.

Purse, five hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosie Mc, b. m., by Button | J. A. Goldsmith | San Mateo. |
| San Diego, b. g., by Victor | H. C. Airhart | San Diego. |
| Franklin, blk. g., by General Reno | J. W. Donathan | San José. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Franklin | 1 | 3 | 1 | 3 | 1 |
| Rosie Mc | 2 | 1 | 2 | 1 | 2 |
| San Diego | 3 | 2 | 3 | 2 | 3 |

*Time*—2:23; 2:24; 2:23; 2:21½; 2:21.

RACE NO. 3—TROTTING.

Garden City Colt Stake. Mile heats; three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Direct, blk. c., by Director | Pleasanton St'k Farm | Pleasanton. |
| Grandee, b. g., by Le Grande | San Mateo St'k Farm | San Mateo. |
| Anselma, c. f., by Ansel | Palo Alto Stock Farm | San Mateo. |
| Monteith, by Electioneer | Palo Alto Stock Farm | San Mateo. |

Grandee made a walkover for the entrance money.

RACE No. 4—TROTTING.

Santa Clara County Colt Stake. Two-year olds. Mile heats; two in three; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ario, br. c., by Florida | James Boyd | San José. |
| Robin Adair, br. c., by Orion | A. O. Hooker | San José. |
| Almoone, Jr., s. c., by Almoone | J. Savidan | San José. |
| Mariquita, b. f., by Eros | W. H. Vioget | Santa Clara. |
| Nutgrove, b. c., by Grosvenor | E. Topham | Milpitas. |
| Rockwood, b. c., by Woodnut | C. H. Corey | San José. |
| Culett, b. f., by Eros | W. H. Seale | Mayfield. |
| Bonnie B, b. c., by Nutwood Boy | J. R. Buffington | San José. |

SUMMARY.

| | | |
|---|---|---|
| Robin Adair | 1 | 1 |
| Rockwood | 2 | 2 |
| Nutgrove | 3 | 3 |

*Time*—3:14¾; 3:10.

W. H. Vioget trotted his colt Mariquita for a record. Time, 2:46½.

WEDNESDAY, SEPTEMBER 26, 1888.

RACE No. 5—RUNNING.

For two-year olds. Three quarters of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bessie Shannon, b. f., by Shannon | John Reavy & Co. | San Francisco. |
| Aurelia, ch. f., by Wildidle | Palo Alto Stock Farm | San Mateo. |
| Faustine, b. f., by Flood | Palo Alto Stock Farm | San Mateo. |
| Naicho B, s. g., by Wanderer | P. L. Donalach | Los Angeles. |
| Wild Oats, b. c., by Wildidle | W. L. Appleby | Santa Clara. |
| Futurity, blk. f., by John Adams | W. L. Appleby | Santa Clara. |
| Four Aces, s. c., by Hockhocking | J. D. Dunn | Los Angeles. |
| Odette, ch. f., by Shiloh | B. P. Hill | El Cajon. |

SUMMARY.

| | |
|---|---|
| Faustine | 1 |
| Aurelia | 2 |
| Bessie Shannon | 3 |
| Wild Oats | 4 |
| Futurity | 5 |

*Time*—1:16.

RACE No. 6—RUNNING.

Free purse. Two hundred dollars; fifty dollars to second horse. One and one eighth miles.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy D, b. m., by Wheatly | Bruce Cockrell | Salinas. |
| Welcome, br. m., by Warwick | D. Hennessey | Sacramento. |
| Idalene Cotton, ch. f., by Jim Brown | Maltese Villa Stables | Sacramento. |
| Nancy, ch. f., by Jim Brown | B. C. Holly | Vallejo. |
| Brutus, b. c., by McGregor | Palo Alto Stock Farm | San Mateo. |
| Del, blk. g., by Falsetto | P. C. Donalach | Los Angeles. |
| Carmen, ch. f., by Wildidle | W. L. Appleby | Santa Clara. |
| Carmelito, b. m., by Hardwood | B. P. Hill | El Cajon. |

SUMMARY.

| | |
|---|---|
| Daisy D | 1 |
| Welcome | 2 |
| Carmen | 3 |
| Nancy | 4 |

*Time*—1:57.

---

RACE No. 8—TROTTING.

Purse, six hundred dollars. Mile heats; best three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Perihelion, b. s., by Admiral | W. L. Ray | San Francisco. |
| Economy, b. f., by Echo | B. C. Holly | Vallejo. |
| Dubec, b. g., by Sultan | L. J. Rose | Los Angeles. |
| The Dude, ch. g., by Golddust | J. R. Hodson | Sacramento. |
| Lady Escott, ch. m., sire unknown | J. A. Dustin | Oakland. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Perihelion | 2 | 1 | 1 | 1 |
| Lady Escott | 1 | 2 | 2 | 2 |

*Time*—2:34; 2:28; 2:35; 2:32½.

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THURSDAY, SEPTEMBER 27, 1888.

RACE No. 9—RUNNING.

Free purse, two hundred dollars. Fifty dollars to second horse. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood, ch. g., by Norfolk | Maltese Villa Stables | Sacramento. |
| Fusillade's Last, ch. f., by John W. Norton | B. C. Holly | Vallejo. |
| Not Idle, ch. f., by Wildidle | W. L. Appleby | Santa Clara. |

SUMMARY.

| | | |
|---|---|---|
| Not Idle | 1 | 1 |
| Fusillade's Last | 2 | 2 |

*Time*—1:45; 1:47.

---

RACE No. 10—TROTTING.

Purse, five hundred dollars. Mile heats; best three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ben Ali, b. g., by George M. Patchen, Jr | John A. Goldsmith | San Mateo. |
| Bonanza, s. s., by Arthurton | R. J. Havey | San Francisco. |
| Express, b. g., by Electioneer | Palo Alto Stock Farm | San Mateo. |
| Artist, blk. g., by McCracken's Golddust | J. R. Hodson | Sacramento. |
| Franklin, blk. g., by General Reno | Chas. Davis | Oakland. |
| Eros, b. s., by Electioneer | W. H. Vioget | Santa Clara. |

SUMMARY.

| | | | |
|---|---|---|---|
| Franklin | 1 | 1 | 1 |
| Ben Ali | 2 | 2 | 2 |

*Time*—2:25; 2:25; 2:25.

---

RACE NO. 11—TROTTING.

Purse, six hundred dollars. 2:22 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Thapsin, blk. g., by Berlin | E. H. Miller, Jr. | San Francisco. |
| Gus Wilkes, br. g., by Mambrino Wilkes | J. A. Dustin | Oakland. |
| Lillie Stanley, b. m., sire unknown | O. A. Hickok | San Francisco. |
| Rosie Mc, b. m., sire unknown | John A. Goldsmith | San Francisco. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Lillie Stanley | 1 | 4 | 2 | 1 | 1 |
| Gus Wilkes | 3 | 1 | 1 | 2 | 2 |
| Thapsin | 2 | 3 | 4 | 3 | 3 |
| Rosie Mc | 4 | 2 | 3 | 4 | 4 |

*Time*—2:21; 2:23½; 2:23; 2:23; 2:22.

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FRIDAY, SEPTEMBER 28, 1888.

RACE NO. 12—RUNNING.

For three-year olds; ten dollars forfeit; two hundred dollars added; fifty dollars to second horse; twenty-five dollars to third. One and one fourth miles.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Vinco, b. g., by Bob Wooding | Wm. Boots | Milpitas. |
| Welcome, br. m., by Warwick | D. Hennessey | Sacramento. |
| Brutus, b. c., by McGregor | Palo Alto Stock Farm | San Mateo. |
| Del, blk. g., by Falsetto | P. C. Donalach | Los Angeles. |
| Carmen, ch. f., by Wildidle | W. L. Appleby | Santa Clara. |

SUMMARY.

| | |
|---|---|
| Welcome | 1 |
| Carmen | 2 |
| Vinco | 3 |

*Time*—2:11½.

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RACE NO. 13—RUNNING.

For all ages. Twenty-five dollars forfeit; two hundred and fifty dollars added; one hundred dollars to second horse; third to save entrance. One and one half miles.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Index, blk. g., by Thad Stevens | Wm. Boots | Milpitas. |
| Peel, b. c., by Monday | Palo Alto Stock Farm | San Mateo. |
| Four Aces, s. c., by Hockhocking | J. D. Dunn | Los Angeles. |
| Laura Gardner, ch. f., by Jim Brown | W. L. Appleby | Santa Clara. |
| Carmelita, b. m., by Hardwood | B. P. Hill | El Cajon. |
| John Treat, g. g., by Shiloh | B. P. Hill | El Cajon. |

SUMMARY.

| | |
|---|---|
| Laura Gardner | 1 |
| Index | 2 |

*Time*—2:38½.

---

RACE No. 14—PACING.

Purse, four hundred dollars. Mile heats; best three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Belmont Boy, s. g., by Nutwood | C. S. Roberts | San José. |
| Almont Patchen, br. s., by Juanito | W. M. Billups | Colusa. |
| Little Hope, ch. g., by Tempest | W. B. Bradbury | San Francisco. |
| Damiana, s. g., by Admiral | L. E. Clawson | San Francisco. |
| Goldleaf, ch. f., by Sidney | Pleasant'n Stock Farm | Pleasanton. |
| Ned Winslow, blk. g., by Tom Benton | J. L. McCord | Sacramento. |
| San Diego, b. g., by Victor | H. C. Airhart | San Diego. |

SUMMARY.

| | | | |
|---|---|---|---|
| Belmont Boy | 1 | 1 | 1 |
| Almont Patchen | 2 | 2 | 2 |
| San Diego | 3 | 3 | 3 |

*Time*—2:19¾; 2:19¾; 2:20.

---

RACE No. 15—TROTTING.

Vendome Colt Stakes. For two-year olds. One mile heats; best two in three; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Margaret S, b. f., by Director | Pleasant'n Stock Farm | Pleasanton. |
| Coin, b. c., by Electioneer | Palo Alto Stock Farm | San Mateo. |
| Leon, b. c., by Electioneer | Palo Alto Stock Farm | San Mateo. |
| Sunol, b. f., by Electioneer | Palo Alto Stock Farm | San Mateo. |
| Palo Alto Belle, b. f., by Electioneer | Palo Alto Stock Farm | San Mateo. |
| Jet Wilkes, blk. f., by Guy Wilkes | San Mateo Stock Farm | San Mateo. |
| Fortuna, b. f., by Florida | J. W. Knox | Pleasanton. |

Fortuna made a walkover for entrance money.

---

SPECIAL RACE—TROTTING.

Purse, two hundred dollars. Mile heats; two in three; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Vesolia, b. f., by Stamboul | L. J. Rose | Los Angeles. |
| Fortuna, b. f., by Florida | J. W. Knox | Pleasanton. |

SUMMARY.

| | | | |
|---|---|---|---|
| Fortuna | 2 | 1 | 1 |
| Vesolia | 1 | 2 | 2 |

*Time*—2:30; 2:31; 2:31.

MATCH RACE.

One hundred dollars a side. Mile heats; best two in three; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Robin Adair, b. c., by Orion | A. O. Hooker | San José. |
| Rockwood, b. c., by Woodnut | C. H. Corey | San José. |

SUMMARY.

| | | | |
|---|---|---|---|
| Robin Adair | 2 | 1 | 1 |
| Rockwood | 1 | 2 | 2 |

*Time*—3:25; 3:16; 3:16.

---

SATURDAY, SEPTEMBER 29, 1888.

RACE NO. 16—RUNNING, ALL AGES.

Free purse, two hundred dollars. Three-quarter mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy D, b. m., by Wheatly | Bruce Cockrell | Salinas. |
| Idalene Cotton, ch. f., by Jim Brown | Maltese Villa Stables | Sacramento. |
| Sid, by Sidarthur | B. F. Denio | Vallejo. |
| Mart Gibson, ch. c., by Joe Hooker | B. C. Holly | Vallejo. |
| Del, blk. g., by Falsetto | P. C. Donalach | Los Angeles. |
| Not Idle, ch. f., by Wildidle | W. L. Appleby | Santa Clara. |

SUMMARY.

| | | |
|---|---|---|
| Daisy D | 1 | 1 |
| Not Idle | 2 | 2 |

*Time*—1:16½.

---

SPECIAL RACE.

Free purse, five hundred dollars; divided, two hundred and fifty dollars, one hundred and fifty dollars, and one hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Woodnut, ch. s., by Nutwood | B. C. Holly | Vallejo. |
| Yolo Maid, b. m., by Alex Button | J. A. Goldsmith | San Francisco. |
| Maggie E, br. m., by Nutwood | J. W. Donathan | San Francisco. |

SUMMARY.

| | | | |
|---|---|---|---|
| Yolo Maid | 1 | 1 | 1 |
| Woodnut | 2 | 2 | 2 |
| Maggie E | 3 | 3 | 3 |

*Time*—2:22; 2:18; 2:18½.

### Cart Race.

Purse, one hundred and fifty dollars. Divided, seventy-five dollars, fifty dollars, and twenty-five dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Old Sport | James Howard | San José. |
| X E B | X. E. Burns | San José. |
| Charlie G | Charles Grover | San José. |
| Billy Dixie | H. C. Ahlers | San José. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Old Sport | 3 | 2 | 1 | 2 | 1 | 1 |
| X E B | 2 | 1 | 3 | 1 | 2 | 2 |
| Charlie G | 4 | 3 | 2 | 3 | dr. | |
| Billy Dixie | 1 | dis. | | | | |

*Time*—2:43; 2:43; 2:39; 2:36½; 2:41; 2:39.

---

### Race No. 18—Trotting.

Free for all. Purse, one thousand dollars. Mile heats; best three in five; to harness.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lot Slocum, b. g., by Electioneer | Alfred Gonzales | San Francisco. |
| Arab, b. g., by Arthurton | O. A. Hickok | San Francisco. |
| Stamboul, b. s., by Sultan | L. J. Rose | Los Angeles. |
| Adair, b. g., by Electioneer | J. A. Dustin | Oakland. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Arab | 1 | 1 | 2 | 1 |
| Stamboul | 2 | 2 | 1 | 2 |

*Time*—2:15; 2:16; 2:16; 2:16¾.

# TRANSACTIONS

OF THE

# SIXTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Los Angeles, Ventura, and San Bernardino.

# OFFICERS OF THE ASSOCIATION.

J. W. ROBINSON ..... President.
E. A. DE CAMP ..... Secretary.
E. F. SPENCE ..... Treasurer.

## DIRECTORS.

J. W. WATERS, JR. ..... San Bernardino.
DR. K. D. WISE ..... Los Angeles.
AL. WORKMAN ..... Los Angeles.
L. J. ROSE, JR. ..... San Buenaventura.
J. W. ROBINSON ..... Los Angeles.
L. J. ROSE ..... Los Angeles.
LOUIS LICHTENBERGER ..... Los Angeles.
J. C. NEWTON ..... Los Angeles.

# REPORT.

LOS ANGELES, November —, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the District Agricultural Association No. 6 submit this, their report of the transactions of said association, for the year ending this date.

This association tried the experiment for the first time of holding its pavilion exhibit at their fair grounds. It was a success, giving complete satisfaction to our patrons and to the management.

Very respectfully,

E. A. DECAMP, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts for the Fiscal Year ending November 30, 1888.*

| | | |
|---|---|---|
| Cash, as per last report | $251 20 | |
| State appropriation for 1887 | 2,500 00 | |
| Forfeits, rentals, etc., and bonus | 1,606 10 | |
| Old entrances | 580 00 | |
| Penalties for Trotting Associations | 67 00 | |
| Donations and return premiums | 1,222 60 | |
| Insurance—policy on burned stable | 250 00 | |
| Collection account—other Coast Fair Associations | 120 00 | |
| Entrances and stakes, Speed Department | 6,210 00 | |
| Pools and other privileges | 4,958 29 | |
| Gate receipts | 6,067 75 | |
| Discounts, Directors' notes | 5,250 00 | |
| | | $29,082 94 |

*Expenditures for the Fiscal Year ending November 30, 1888.*

| | | |
|---|---|---|
| Permanent improvements at park | $3,295 17 | |
| Paid interest and principal, borrowed money | 5,180 60 | |
| Sundry old accounts | 149 22 | |
| Legal account, reorganization expenses | 495 00 | |
| Repairs | 629 98 | |
| Decorations, rent of chairs, showcases, etc. | 287 25 | |
| Insurance and taxes | 649 45 | |
| Freight on exhibits | 47 25 | |
| Collections forwarded to other associations | 120 00 | |
| American Trotting Association, dues and penalties | 133 50 | |
| Premiums | 2,829 50 | |
| Purses and stakes, Speed Department | 12,380 00 | |
| Payroll | 782 05 | |
| Advertising, bill posting, etc. | 600 05 | |
| Hay and bedding | 291 00 | |
| Band and band wagon | 353 85 | |
| Secretary, contingent account and salary to October, 1888 | 575 05 | |
| | | $28,799 40 |
| Balance on hand as per C. B. | | 283 54 |
| | | $29,082 94 |

# OPENING ADDRESS.

By Hon. L. J. Rose.

Ladies and Gentlemen of the Sixth District Agricultural Association: We meet again to hold our annual fair. Looking through a vista of twenty-five years many pleasant recollections are brought back to my memory. About twenty-five years ago the little acorn was planted which each year has grown with increased vigor, and now the tree has assumed fair proportions, and each year makes it more imposing and more yielding of enjoyment. Then, on every side the lands for miles around were an uncultivated and unclaimed treeless waste, which no one cared to own even at $2 an acre. How changed all this is now. Lands are now subdivided into lots and selling at the rate of $5,000 or more an acre. Beautiful avenues are laid out leading to this park, lined on either side with shade trees, and backed behind lawns and flower gardens are beautiful villas of every style that architectural ingenuity can devise. As you drive along these well kept and sprinkled avenues, the air is laden with the perfume of the orange, heliotrope, jasmine, and the rose, whilst through the open casement floats the merry voice and song of a refined population.

A city is almost knocking at our gates demanding more room to spread, whilst on the other side can almost be heard the boom of the waves as they break on the shore, and the air is fresh and cool with the salt-laden breeze as it comes, health-giving, rustling through the trees. Nor is the change which has taken place in the features of the landscape more marked than the change in the varied productions of the farm, the orchard, the vineyard, and the improvements which have taken place in the various breeds of all domestic animals, and especially horses. Then our speed programme was very limited. There was no thoroughbred in all the boundaries of this southern district, whereas, we are now breeding them by the hundreds, and of such quality that they are the peers of the best in the world. Then a trotting race or a pacing race meant that a race made in three minutes was good time, whereas, we now have, in the stabling at our track, horses which hold the record of the world. Not all have been reared in this country, but all are California bred, and we have good enough ones belonging and reared in this district to feel that, in accordance with the number produced, we have a fair share of the best; and when we remember Arrow, who is now flying in the highest marks, with a chip on his shoulder challenging all comers, and as we know by the telegraph having no defeats to date to explain away, we may be excused if we believe that the highest possibilities are not beyond our reasonable expectations. We are as yet small beginners, but we are laying good foundations. The telegraph has flashed the news that the highest priced stallion ever sold is one out of a mother who was raised in this county. Fifty thousand dollars was paid at auction for this stallion by a gentleman from San Diego, and this might indicate that he was coming back to this State.

We take much justifiable pride in our orange culture, our grapes, and fruits of every kind, and taking all in all, we may be thought reasonable

in our opinion when we believe that we have advantages certainly equal to those of any part of this continent.

It is true, we are meeting with some disadvantages; we have to exercise ingenuity with wisdom to overcome some serious drawbacks; and as I have a great love for fruit farming and have given it much thought, it may not be out of place to give some theories which have grown out of observation, for it is by the small accumulation of observation of various individuals that remedies may be found.

Two of the most serious drawbacks, which have developed themselves in this county, are the cottony scale, endangering in many localities the growing of the orange and lemon with profit, and some unnamed disease, which is causing the dying of vineyards in some localities in this county. This cottony scale insect is a most astonishingly prolific multiplier, and much experimental work has been done by intelligent horticulturists and scientists, as yet with no practical success.

I, myself, have expended several thousand dollars spraying and fumigating trees, and as yet with more injury to the trees than benefit, until I despair of any success in either of these modes. But I have learned, however, a habit of this scale bug which is never varied from. The scale always goes up, and never down. This is valuable knowledge, for we have only to guard one direction. It may fall off the tree, and they do in thousands, and many will hide and live for a time in the ground. But in the end they find the trunk of the tree and go up again. My cure would be to trim the tree, stripping it of all foliage and small branches, leaving only some of the larger branches, and well cut back at that. Then to thoroughly wash the trunk and branches that are left to form another top with sal soda dissolved in warm water. Care must be taken that no egg or bug escapes, for in this thorough washing success lies. Immediately after washing, and before any bug can crawl up, an inverted cone must be tied around the trunk of the tree, so that as they crawl out of the ground up the trunk they crawl under this cone-shaped bandage, and when they come to the end they will stop, for their instinct of never going back answers here a good purpose. As they accumulate they will have to be killed, and if this is carefully attended to there will be no more in a short time, for they can only live by sucking the sap of the tree. It is easily seen that this is a radical cure, if thoroughly done, and if the orchard is not too large it can be done with a comparatively small outlay. To make these cones various expedients will suggest themselves. Dr. Conger, of Pasadena, says that he can make them by taking old worn-out barley sacks (burlap) and wrapping around the tree, tying with a fencing rope around the lower portion, then stripping the upper part over this tie, and pulling it out so that the lower edge will not touch the tree, say by at least half an inch or more. This will be a convenient material to press against, thus killing the bug, when the edge can be again adjusted by shaping it out away from the trunk. A cone can also be made by taking tarred paper, and cutting it in such a way that when tied the lower part will stand away from the tree. In that case cotton or wool would have to be used to fill up the inequalities of the tree, for there are generally valley or flute-like gutters in large orange trunks.

As regards the disease which is killing our grapevines in some localities, it is the more annoying, as no satisfactory reason can be given for it. Dig up a vine which has died, and the bark and wood both in the roots and top of the vine are entirely free from imperfections or mars, no insect, no decay. In fact, no reason for the trouble can be given. Professor Morse, of the University, who was sent for to make examination, found nothing,

and gave it as his belief that death was caused by violent changes of temperature, a very hot time of weather following a cold foggy time, thus causing an exhaustion of the stock of the plant faster than it was prepared for. There would be some plausibility about this, were it not a fact that we have never had such trouble in this section. It might be possible to belive that one such accidental year might come where the changes from cold to hot were exceptional, and thus have this sickness for that one year, but the trouble about this matter is that this condition of the vines dying is repeating itself with each coming year, and it now has repeated itself for say five years, and each succeeding year the damage has increased. It is not, therefore, an accident that has come about for one year, but one that has repeated itself every year for the last five years. Now, this would not likely be the case, nor can it be believed that this one year has planted this disease and time completed the harm done. It is a fact that the vines near Anaheim were afflicted first, followed by, perhaps a year after, those near Santa Ana, and subsequent to that time it has made its appearance in San Gabriel Valley. I have studied over this matter much, and tried to form some theory concerning it. There is one circumstance which may possibly explain this singular phenomenon, namely: too early pruning. In years previous to the appearance of this disease, pruning was never done until the vine had shed all its leaves. At Anaheim I first saw pruning done as soon almost as the grape crop was gathered, and even as early as October. It being convenient, I too followed in the practice, and others again followed me, and with no immediate evil effect. It is true, vines thus early pruned were the last to bud out the following spring, but as there was no enfeebled condition of growth, when the vines did start, it was a condition of affairs to be desired, for it made less risk to the crop of grapes in being overtaken by a late frost. Yet that there was an effect was clearly shown by the lateness of the vine putting forth their new growth. Again Anaheim was the first to practice early pruning, and was the first to suffer by the vines dying. Santa Ana would naturally, being adjoining, be the next to follow the practice, and was next affected. Sunny Slope, my former home, was the first to suffer in the San Gabriel Valley, and was the first to practice this early pruning. All these facts may be only coincidents, and may not contain the cause of this disease, yet when no satisfactory reason has ever been given, it may be well to postpone its early pruning, and go back to the late pruning as was practiced in former years, until all the leaves have naturally been shed by maturity. To prune in October and November nearly all the leaves are yet held fast, and many of the ends of shoots are yet making a feeble growth. It is, of course, a well known fact, that the stripping of the leaves of the most robust growth of any tree or plant, if often enough repeated, will kill such tree or plant. It is true, in October and November, leaves of the vine have naturally performed their duty, and the wood is hard, yet it may be, after all, that this early pruning followed for a few years, in the end tells on the life and health of a vine, and has the same effect, only more slowly, and less apparent than the stripping the new leaves. It would be a pleasure to give in detail the various displays on exhibition, but I have been unwell, and it has only been by a great effort that I have prepared this short paper. If, however, there has been a suggestion made, which may be a benefit to orange or grape culture, then the effort will not have been in vain. I thank you for your attention, and hope the future may be increasing in its prosperity in the same ratio as it has from the beginning till now, and that we may all often yet meet to enjoy this increased prosperity together.

# PREMIUMS AWARDED—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| HORSES—THOROUGHBRED—STALLIONS. | | | |
| Bachelor, four years old or over | John Gries | Compton | $20 00 |
| Ed. McGinnis, three years old or over | John Gries & Co. | Compton | $15 00 |
| Four Aces, two years old | John D. Dunn | Los Angeles | $12 00 |
| Bellringer, two years old | A. B. Wise | San Bernardino | |
| Dr. Crawford, two years old | John M. Fuqua | Chino | $6 00 |
| Washington Bartlett, one year old | John Gries | Compton | $10 00 |
| Hockhocking, suckling colt | John D. Dunn | Los Angeles | $8 00 |
| MARES. | | | |
| Manzanita, four years old or over, with colt | John D. Dunn | Los Angeles | $15 00 |
| Welcome, three years old or over | John Gries & Co. | Compton | $10 00 |
| Senovia, two years old | F. M. Slaughter | Chino | $8 00 |
| ——, one year old | John Gries | Compton | $6 00 |
| Henrietta, one year old | John Gries | Compton | |
| ——, suckling colt | John Gries | Compton | $5 00 |
| FAMILIES. | | | |
| Bachelor and five colts | John Gries | Compton | $25 00 |
| Mattie Adams and two colts | P. J. Abbott | Silverado | $20 00 |
| Nora and two colts | F. Duryea | St. James | $10 00 |
| GRADED HORSES. | | | |
| Ruth P, four years old or over | E. C. Parrish | Santa Monica | $10 00 |
| STANDARD-BRED AND ROADSTERS—STALLIONS. | | | |
| Modoc Chief, four years old or over | H. T. Harris | San Bernardino | |
| Woolsey, four years old or over | Richard Gird | Chino | |
| Del Sur, four years old or over | Charles A. Durfee | Los Angeles | $20 00 |
| Buccaneer, Jr., four years old or over | W. J. Kessler | Pomona | |
| Forrest Clay, four years old or over | George T. Beckers | Phœnix, A. T. | |
| Prestige, four years old or over | R. J. Blee | Santa Ana | $10 00 |
| Patsy M, three years old | P. Morgan | Santa Monica | $15 00 |
| Rory O'More, two years old | George Hinds | Wilmington | $10 00 |
| Teleferro, two years old | A. M. Kruger | Green Meadows | |
| Harry Gage, two years old | N. A. Covarrubias | Los Angeles | $12 00 |
| Tomboy, two years old | W. W. Alward | Florence | $6 00 |
| Regalo, one year old | B. F. Wood | Los Angeles | $10 00 |
| ——, one year old | E. A. DeCamp | Los Angeles | $5 00 |
| Presto, one year old | R. J. Blee | Santa Ana | |
| ——, suckling colt | C. A. Durfee | Los Angeles | $6 00 |
| ——, suckling colt | J. Martin | Los Angeles | $3 00 |
| MARES. | | | |
| Dart, four years old or over | C. A. Durfee | Los Angeles | $15 00 |
| Bronco, four years old or over | E. A. DeCamp | Los Angeles | $8 00 |
| Tuma, three years old | N. A. Covarrubias | Los Angeles | $10 00 |
| Lena D, two years old | C. A. Daniels | Green Meadows | $15 00 |
| Monrovia, two years old | George Hinds | Wilmington | $5 00 |
| Pogonip, two years old | George Hinds | Wilmington | $5 00 |
| Marian, two years old | George Hinds | Wilmington | $5 00 |
| Belle, two years old | George Hinds | Wilmington | $5 00 |
| Luck, two years old | George Hinds | Wilmington | $5 00 |
| Florence Del, one year old | C. A. Durfee | Los Angeles | $6 00 |
| Lalla King, suckling colt | C. A. Durfee | Los Angeles | |
| Susie King, suckling colt | C. A. Durfee | Los Angeles | $3 00 |
| Amber, suckling colt | E. A. DeCamp | Los Angeles | $5 00 |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| STANDARD FAMILIES. | | | |
| Del Sur and five colts | C. A. Durfee | Los Angeles | $25 00 |
| Bronco and two foals | E. A. DeCamp | Los Angeles | $20 00 |
| GENERAL PURPOSES—STALLIONS. | | | |
| Dell, four years old or over | James Orr | Compton | $10 00 |
| Fred Drake, four years old or over | J. P. Sanborn | Whittier | $8 00 |
| Tom, three years old | M. Michaels | Wilmington | $8 00 |
| Dude, two years old | Daniel Lane | Downey | $5 00 |
| Joe, one year old | N. Wilkinson | Downey | $5 00 |
| Nat, one year old | Wm. Sex | Downey | $4 00 |
| Negro Baby, one year old | T. J. Sparks | Artesia | $5 00 |
| Franklin, suckling colt | Jas. Stewart | Downey | $5 00 |
| MARES. | | | |
| Maggie, four years old or over | James Orr | Compton | $10 00 |
| Ranchito Belle, four years old or over | C. A. Coffman | Ranchito | $5 00 |
| Annie, four years old or over | C. A. Coffman | Ranchito | $10 00 |
| Mary, three years old | M. Michaels | Wilmington | $8 00 |
| Fanny, two years old | M. Michaels | Wilmington | $6 00 |
| Fanny, one year old | Jas. Stewart | Downey | $8 00 |
| Nettie, one year old | Wm. Sex | Downey | $6 00 |
| Peggie, one year old | C. A. Coffman | Ranchito | $5 00 |
| Ben Aldrich, gelding, aged | J. P. Sanborn | Whittier | $8 00 |
| Chief, gelding, two years old | James Stewart | Downey | $10 00 |
| DRIVING HORSES. | | | |
| Tonto, three years old | N. A. Covarrubias | Los Angeles | $10 00 |
| Black Tom, five years old | H. C. Wyatt | Los Angeles | $15 00 |
| ROADSTER TEAMS. | | | |
| Red Cloud and John Gries | N. A. Covarrubias | Los Angeles | $20 00 |
| CARRIAGE TEAM. | | | |
| Oliver Twist and David Copperfield | I. B. Newton | Los Angeles | $10 00 |
| ——, | L. J. Rose, Jr. | San Buenav'nt'ra | $15 00 |
| ——, | W.J. McGaugh | Los Angeles | $10 00 |
| SADDLE ANIMALS. | | | |
| Fannie | W. J. Cole | Anaheim | $5 00 |
| Jim | A. Machado | The Palms | $10 00 |
| Little Dude | A. Lugo | San Antonio | $5 00 |
| DRAFT STALLIONS. | | | |
| Dandy Dick (Clydesdale), four years old or over | Clydesdale Ass'cn. | Downey | $20 00 |
| Badin (Norman), four years old or over | A. B. Wise | San Bernardino | $10 00 |
| Illinois (Norman), four years old or over | R. Gird | Chino | $20 00 |
| Pompey (Norman), three years old | B. Walton | Compton | $18 00 |
| Dave (Norman), one year old | W. Newton | Downey | $8 00 |
| Prince (Norman), suckling | W. Newton | Downey | $5 00 |
| Frank, suckling | C. Johnston | Garvanza | $5 00 |
| MARES. | | | |
| Fannie and colt, four years old or over | J. G. De Turk | Los Angeles | $10 00 |
| Lady Clyde and colt (Norman), four years old or over | W. H. Morton | Compton | $15 00 |
| —— (Norman), three years old | R. Gird | Chino | $15 00 |
| —— (Norman), two years old | R. Gird | Chino | 10 00 |
| Brownie (Norman), two years old | B. Walton | Compton | $16 00 |
| Dixie, one year old | W. Newton | Downey | $8 00 |
| Nellie, one year old | W. Newton | Downey | $5 00 |
| Flora Temple (Belgian), one year old | W. H. Morton | Compton | $10 00 |
| Edna, one year old | E. A. De Camp | Los Angeles | $5 00 |
| FAMILIES. | | | |
| Illinois and five colts (Norman) | R. Gird | Chino | $25 00 |
| Dandy Dick and colts (Norman) | Clydesdale Ass'cn. | Downey | $25 00 |
| Betts, mare and two colts | B. Walton | Compton | $10 00 |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| ——, mare and two colts | R. Gird | Chino | $20 00 |
| Jennie, mare and two colts | Wm. Sex | Downey | $10 00 |
| DRAFT TEAM. | | | |
| ——, | Kerckhoff, Cuzner & Co. | Pomona | $15 00 |
| SHETLAND PONIES—STALLIONS. | | | |
| Pair, four years old or over | J. W. Gardner | Los Angeles | $15 00 |
| Pinto, aged | J. W. Gardner | Los Angeles | $10 00 |
| Suckling colt | J. W. Gardner | Los Angeles | $4 00 |
| MARES. | | | |
| Pair, four years old or over | J. W. Gardner | Los Angeles | $15 00 |
| Sweetheart, aged | J. W. Gardner | Los Angeles | $10 00 |
| Mare and colt | J. W. Gardner | Los Angeles | $10 00 |
| Suckling filly | J. W. Gardner | Los Angeles | $4 00 |
| JACKS AND MULES. | | | |
| Young Peter, jack | H. C. Campbell | Norwalk | $10 00 |
| Sally, jenny | A. B. Farnsworth | Trabuco | $10 00 |
| Dave and Jim, mules | H. C. Campbell | Norwalk | $10 00 |
| Fanny and Lucy, mules | R. Gird | Chino | $10 00 |
| DURHAMS—BULLS. | | | |
| Ranchito Duke, three years old or over | C. A. Coffman | Ranchito | $8 00 |
| Ranchito Duke 4th, three years old or over | C. A. Coffman | Ranchito | $6 00 |
| Prince, two years old | C. B. Woodhead | Los Angeles | $5 00 |
| Airdres Cherry 2d Prince, one year old | C. B. Woodhead | Los Angeles | $5 00 |
| COWS. | | | |
| Airdres Cherry 2d, three years old or over | C. B. Woodhead | Los Angeles | $25 00 |
| Jennie, aged | N. A. Covarrubias | Los Angeles | $10 00 |
| Bernardino Daisy, aged | C. A. Coffman | Ranchito | $10 00 |
| Reddy, aged | C. A. Coffman | Ranchito | $10 00 |
| Biddy, three years old or over | C. A. Coffman | Ranchito | $10 00 |
| HERDS. | | | |
| Male and four females | C. B. Woodhead | Los Angeles | $20 00 |
| HEREFORDS—COWS. | | | |
| Filbert 2d, three years old or over | J. W. Bixby & Co. | Long Beach | $15 00 |
| Filbert 3d, two years old | J. W. Bixby & Co. | Long Beach | $10 00 |
| Jennie, heifer calf | J. W. Bixby & Co. | Long Beach | $5 00 |
| HOLSTEINS—BULLS. | | | |
| Lena Wit, aged | J. W. Bixby & Co. | Long Beach | $10 00 |
| Reverie 2d, calf | J. W. Bixby & Co. | Long Beach | $10 00 |
| Cleveland, calf | J. W. Bixby & Co. | Long Beach | $5 00 |
| Blaine, calf | J. W. Bixby & Co. | Long Beach | $5 00 |
| Santa Fé Springs, calf | C. B. Woodhead | Los Angeles | $12 00 |
| COWS. | | | |
| Lena, aged | F. Bacon | East Los Angeles | $10 00 |
| Aggie Brown, aged | J. W. Bixby & Co. | Long Beach | $8 00 |
| Los Angeles Princess, aged | J. W. Bixby & Co. | Long Beach | $10 00 |
| Gypsy, aged | J. W. Bixby & Co. | Long Beach | $8 00 |
| Nellie, heifer calf | J. W. Bixby & Co. | Long Beach | $5 00 |
| JERSEYS—BULLS. | | | |
| Cleveland, aged | J. D. Durfee | El Monte | $15 00 |
| Ashantee Sultan, aged | C. B. Woodhead | Los Angeles | $20 00 |
| Jo Romero, aged | C. B. Woodhead | Los Angeles | $10 00 |
| Starter, aged | C. B. Woodhead | Los Angeles | |
| Buck, aged | F. N. Orin | Downey | $8 00 |
| Orphan Boy, two years old | A. M. Krüger | Green Meadows | $12 00 |
| Rhine, calf | J. D. Durfee | El Monte | $3 00 |
| Erskine, calf | J. D. Durfee | El Monte | $6 00 |
| Ashantee Youcaipe, calf | C. B. Woodhead | Los Angeles | $5 00 |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| COWS. | | | |
| Bonita, aged | J. D. Durfee | El Monte | $10 00 |
| Dolly, aged | J. D. Durfee | El Monte | |
| Youcaipe, aged | C. B. Woodhead | Los Angeles | $25 00 |
| Mariposa, aged | C. B. Woodhead | Los Angeles | $10 00 |
| Sun Maid, two years old | J. D. Durfee | El Monte | $12 00 |
| Christabel, two years old | J. D. Durfee | El Monte | $6 00 |
| Black-eyed Susan, one year old | J. D. Durfee | El Monte | $8 00 |
| Carmalita, one year old | J. D. Durfee | El Monte | $4 00 |
| Highland Mary, heifer calf | J. D. Durfee | El Monte | $3 00 |
| Fanny, heifer calf | J. D. Durfee | El Monte | $6 00 |
| HERD—BULL. | | | |
| Cleveland, aged, and two cows | J. D. Durfee | El Monte | $20 00 |
| SWEEPSTAKES—BULLS. | | | |
| Cleveland, aged (Jersey) | J. D. Durfee | El Monte | $20 00 |
| Ashantee Sultan, aged (Jersey) | C. B. Woodhead | Los Angeles | $10 00 |
| COWS. | | | |
| Bonita, aged (Jersey) | J. D. Durfee | El Monte | |
| Dolly, aged (Jersey) | J. D. Durfee | Los Angeles | |
| Youcaipe, aged (Jersey) | C. B. Woodhead | Los Angeles | $10 00 |
| Airdres Cherry, aged (Durham) | C. B. Woodhead | Los Angeles | $20 00 |
| SHEEP. | | | |
| Spanish Merino buck, aged | P. Davilo | Elizabeth Lake | $15 00 |
| Spanish Merino buck, one year old | P. Davilo | Elizabeth Lake | $10 00 |
| Spanish Merino ewes, pair, one year old | P. Davilo | Elizabeth Lake | $25 00 |
| Spanish Merino lambs, pen | P. Davilo | Elizabeth Lake | $20 00 |
| Spanish Merino fleece, sixty-three pounds | P. Davilo | Elizabeth Lake | D'p & $10 |
| HOGS—BERKSHIRES. | | | |
| Tom, aged, boar | C. A. Coffman | Ranchito | $10 00 |
| Bell Flory, aged, sow | C. A. Coffman | Ranchito | $10 00 |
| Bell Flory, aged, sow, and six pigs | C. A. Coffman | Ranchito | $15 00 |
| Ranchito Lass, sow, six months old | C. A. Coffman | Ranchito | $8 00 |
| Sally and Jo, pair less than six months old | C. A. Coffman | Ranchito | $10 00 |
| Pen of pigs | C. A. Coffman | Ranchito | $15 00 |
| POULTRY. | | | |
| Pair of Leghorns, brown | Willie Julian | Downey | $2 00 |
| Pair of Silver-Spangled Hamburg | John Zinn | Downey | $2 00 |
| Pair of Silver-Spangled Grade | John Zinn | Downey | $2 00 |
| Pair of Game Bantams | J. E. Preston | Los Angeles | $2 00 |
| Pair of brood Bantams | J. E. Preston | Los Angeles | $2 00 |
| Pair of Plymouth Rocks | J. Brown | Los Angeles | $2 00 |
| Pair of Buff Cochins | J. Brown | Los Angeles | $2 00 |
| Pair of Game fowls | J. Brown | Los Angeles | $2 00 |

## LADIES' EQUESTRIANSHIP.

| NAME. | Address. | Award. |
|---|---|---|
| Miss Irene Savage | Los Nietos | $75 00 |
| Miss Sarah E. Baker | Norwalk | $25 00 |
| Mrs. Fannie McElfresh | Santa Monica | $15 00 |
| Miss Angelina Santa Cruz | Los Angeles | $10 00 |
| Mrs. J. L. Fetterman | Long Beach | $15 00 |
| Mrs. M. Grossmayer | San Bernardino | $10 00 |

## BABY DEPARTMENT.

| Name. | Age—Months. | Address. | Premium. |
|---|---|---|---|
| Simon Fitzpatrick | 11 | Santa Ana | |
| Emma J. Smith | 8 | Los Angeles | |
| Clara Dunlap | 9 | Los Angeles | $20 00 |
| Edward F. Lechner | 11 | Los Angeles | |
| Stewart A. Baker | 7 | Los Angeles | |
| Florence Van Dan | 13 | Los Angeles | |
| Henry Augustus Arend | 16 | Los Angeles | |
| Elmer M. Ries | 16 | Los Angeles | |
| Francis Harrow | 4 | Los Angeles | |
| Pearlie May Younger | 4 | Los Angeles | |
| George Alfred Blackburn | 11 | Los Angeles | |
| Mary Virginia Stewart | 3 | Los Angeles | |
| James A. McCusker | 13 | Los Angeles | |
| Edgar Stanley Brown | 9 | Santa Ana | |
| Chester French | 9 | Colton | $15 00 |
| Frank Jones | 1 | Los Angeles | $10 00 |
| Gerald S. Goddard | 9 | Los Angeles | |
| Morris Tweedy | 12 | Downey | $10 00 |
| Estella Merchant | 4 | Norwalk | $5 00 |
| Annie L. Camp | 13 | Downey | $5 00 |
| Fannie Taylor | 5 | Ranchito | $3 00 |
| TWINS. | | | |
| Aubrey and Roy McCulloch | 13 | Santa Ana | |
| Thomas R. and John M. Depew | 13 | Los Angeles | $20 00 |

## MACHINERY DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Cider mill and press | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Horse hay rake | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Hay and straw cutter | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Hand corn sheller | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Broadcast grain sowing machine | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Mowing machine | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Potato digger | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Glidden harrow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Keystone disc harrow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Horse cultivator | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Double shovel plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Woodmansee windmill | A. S. Beymer | El Monte | Diploma. |
| Platform scale | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Farm and road scraper | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Gang plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Sulky plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Steel plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Sidehill plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| One-horse plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Chilled plow | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Display of agricultural implements | Montgomery & Grant | Los Angeles | Dip.&$10 |
| Hay press | B. F. Lavin | Stockton | Dip.&$10 |
| Windmill (Monitor) | S. W. Lintweder | Los Angeles | $10 00 |
| Top buggy | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Open buggy | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Farm wagon | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Road cart | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Ladies' phaeton | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Street goods wagon | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Street goods wagon | W. N. Hawley & Co. | Los Angeles | Diploma. |
| Combined road cart | Myron F. Tarble | Los Angeles | Diploma. |
| Road and track sulky | Myron F. Tarble | Los Angeles | Dip.&$10 |

## LADIES' DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Silk cushion | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Kensington work on silk | Mrs. R. P. Ingram | Los Angeles | |
| Dress, crewel work | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Towel, crewel work | Mrs. R. P. Ingram | Los Angeles | |
| Cushion, in chenille | Mrs. R. P. Ingram | Los Angeles | |
| Cushion, in chenille | Mrs. R. P. Ingram | Los Angeles | |
| Pair of suspenders (chenille) | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Sachet (chenille) | Mrs. R. P. Ingram | Los Angeles | |
| Sachet (chenille) | Mrs. R. P. Ingram | Los Angeles | |
| Sofa cushion | Mrs. R. P. Ingram | Los Angeles | |
| Plaque—art ribbon work | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Six etched napkins | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Tapestry | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Scarf | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Infant's skirt | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Banner | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Sofa cushion | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Table scarf | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Quilt | Mrs. R. P. Ingram | Los Angeles | |
| Carriage afghan | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Head rest | Mrs. R. P. Ingram | Los Angeles | |
| Fancy knitting | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Fancy cushion | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Infant's dress | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Infant's outfit | Mrs. R. P. Ingram | Los Angeles | $5 00 |
| Macrame work | Mrs. R. P. Ingram | Los Angeles | $1 00 |
| Four pieces stamping, three shams, one tray cloth | Mrs. R. P. Ingram | Los Angeles | $2 00 |
| Kensington work in silk | Miss S. C. Stockton | Los Angeles | |
| Six doylies | Miss S. C. Stockton | Los Angeles | $1 00 |
| Table scarf | Miss S. C. Stockton | Los Angeles | $1 00 |
| Table scarf | Miss S. C. Stockton | Los Angeles | $1 00 |
| Table scarf | Miss S. C. Stockton | Los Angeles | |
| Two pieces—Banner and whisk broom-holder | Miss M. Stockton | Los Angeles | $2 00 |
| Panel | Miss M. Stockton | Los Angeles | $1 00 |
| Two pieces embroidery on linen | Mrs. J. Cumpston | Vernon | $1 00 |
| Specimen of braid work | Mrs. J. Cumpston | Vernon | $1 00 |
| Handkerchief | Mrs. J. Dunsmoor | Los Angeles | |
| Handkerchief | Mrs. J. Dunsmoor | Los Angeles | |
| Hand-sewing | Mrs. J. Dunsmoor | Los Angeles | $2 00 |
| Quilt | Mrs. J. Dunsmoor | Los Angeles | $2 00 |
| Tablecloth | Mrs. S. M. King | University | Ex. only. |
| Handkerchief | Mrs. S. M. King | University | Ex. only. |
| Quilt | Mrs. F. J. Andrus | Los Angeles | $2 00 |
| Lambrequin | Mrs. F. J. Andrus | Los Angeles | $1 00 |
| Crochet work in linen | Mrs. F. J. Andrus | Los Angeles | $1 50 |
| Four tidies | Mrs. F. J. Andrus | Los Angeles | |
| Seven pieces of crochet work | Mrs. F. J. Andrus | Los Angeles | $2 00 |
| Five pieces of kensington work | Mrs. F. J. Andrus | Los Angeles | $1 00 |
| Quilt | Mrs. M. Shreke | Los Angeles | $2 00 |
| Three tidies | Miss Lura Cottle | Coldwater | $1 00 |
| Crochet lace | Miss Lura Cottle | Coldwater | $2 00 |
| Sixty specimens of pressed flowers and ferns | Mrs. M. B. De Camp | La Dow | $5 00 |
| California autumn leaves | Mrs. M. B. De Camp | La Dow | $5 00 |
| Catalogued cabinet of minerals | Arthur Kinney | Los Angeles | $10 00 |
| Cabinet of photographic views | Arthur Kinney | Los Angeles | $5 00 |
| Table cover | Mrs. G. Skidmore | Downey | $3 00 |
| Fancy lounge pillow | Mrs. G. Skidmore | Downey | $5 00 |
| Largest display of crochet work | Miss C. Stevenson | Downey | $5 00 |
| Embroidery | Miss C. Stevenson | Downey | $3 00 |
| Artificial hair work | Mrs. J. D. Phillips | Santa Ana | $5 00 |
| Wax work | Mrs. J. P. Cover | Los Angeles | $5 00 |
| Embossed sofa cushion | Mrs. L. M. Grider | Downey | $5 00 |
| Old table cover (1707) | Mrs. A. L. Ball | Downey | $5 00 |
| Crochet work in cotton | Mrs. M. G. Randolph | Downey | $3 00 |
| Oil painting | Miss Rose R. Darby | Downey | $5 00 |

## MECHANICAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Hand-made turf goods and harness | Myron F. Tarble | Los Angeles | $10 00 |
| Case hand-made horseshoes | James P. Browne | Santa Ana | Dip. and sp. men. |
| Display of pianos | J. W. Gardner | Los Angeles | Diploma. |
| Display of organs | J. W. Gardner | Los Angeles | Diploma. |
| Box of California fossils | Arthur W. Kinney | Los Angeles | Diploma. |
| Case of minerals | Arthur W. Kinney | Los Angeles | Diploma. |
| Case of minerals | Board of Trade | San Bernardino | Diploma. |
| Crystallized minerals | Arthur W. Kinney | Los Angeles | Diploma. |
| Collection of ornithology | Westover & Campbell | Los Angeles | Dip., $15 |
| Collection of fossils | Westover & Campbell | Los Angeles | $10 00 |

## AGRICULTURAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Sack of wheat | L. A. Farming and Milling Co. | Los Angeles | $5 00 |
| Twenty pounds of wheat | Board of Trade | San Bernardino | |
| Twenty pounds of brewing barley | Board of Trade | San Bernardino | $5 00 |
| Chevalier barley | Board of Trade | San Bernardino | |
| Sheaf of wheat | L. A. Farming and Milling Co. | Los Angeles | $5 00 |
| Sack of Chevalier barley | L. A. Farming and Milling Co. | Los Angeles | $5 00 |
| Barley | C. A. Coffman | Ranchito | |
| Thirty pounds of yellow corn, shelled | C. A. Coffman | Ranchito | $5 00 |
| Yellow corn on ear | C. A. Coffman | Ranchito | $3 00 |
| Thirty pounds of white corn, shelled | C. A. Coffman | Ranchito | $5 00 |
| White corn on ear | C. A. Coffman | Ranchito | $3 00 |
| Sack of red potatoes | C. A. Coffman | Ranchito | $3 00 |
| Sack of white potatoes | C. A. Coffman | Ranchito | $3 00 |
| Largest display of potatoes | C. A. Coffman | Ranchito | $5 00 |
| Largest display of pumpkins | W. A. Workman | Los Angeles | $5 00 |
| Sack of white potatoes | Luca Velardez | La Dow | $5 00 |
| Display of Drumhead cabbage | Luca Velardez | La Dow | $2 00 |
| Squashes | Miss Lura Cottle | Coldwater | $2 00 |
| Large white onions (two preminms) | James Moss | Westminster | $8 00 |
| Dutch cabbage | Wm. Newton | New River | $2 00 |
| Pole beans | Wm. Newton | New River | $3 00 |
| Largest yellow corn | Wm Newton | New River | $3 00 |
| Small yellow corn | Wm. Newton | New River | $3 00 |
| Barley hay, baled | Wm. Newton | New River | $3 00 |
| White corn on ear | Wm. Newton | New River | $3 00 |
| Alfalfa hay | Wm. Newton | New River | $3 00 |
| Red peppers | Wm. Newton | New River | $3 00 |
| String beans | Wm. Newton | New River | $2 00 |
| Cucumbers | Luca Velardez | La Dow | $2 00 |
| Three Mountain Sweet melons | Cottle & Moffit | Coldwater | $2 00 |
| Five Iron Clad melons | Cottle & Moffit | Coldwater | $2 00 |
| Three Southern Rattlesnake melons | Cottle & Moffit | Coldwater | |
| Six green-fleshed muskmelons | Henry Claussen | Cahuenga | $2 00 |
| Long crooked-necked muskmelons | J. M. Gessner | Los Angeles | $2 00 |
| Cantaloupe melons | P. Durfee | Laurel | |
| Large and small yellow corn | John Hood | Downey | $5 00 |
| Large white corn | John Hood | Downey | $3 00 |
| Largest display and varieties of corn | John Hood | Downey | $8 00 |
| White onions | H. P. Sanforn | Artesia | $3 00 |
| Tomatoes | H. P. Sanforn | Artesia | $2 00 |
| Sweet potatoes | John Hood | Downey | $5 00 |
| French tomatoes | John Hood | Downey | $2 00 |
| Common tomatoes | Martin Luper | Orangethorpe | $1 00 |

AGRICULTURAL DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Three varieties of cabbage | Martin Luper | Orangethorpe | $3 00 |
| Pumpkins | Martin Luper | Orangethorpe | $5 00 |
| Long-neck pumpkins | Martin Luper | Orangethorpe | $3 00 |
| Muskmelons | Martin Luper | Orangethorpe | $3 00 |
| Home raised cotton | James Stewart | Downey | $5 00 |
| Best roll of butter | Mrs. A. Skidmore | Downey | $5 00 |
| Second best roll of butter | Mrs. H. H. Stevenson | Downey | $3 00 |
| Display of flowering plants | J. W. Jeffries | Los Angeles. | $10 00 |
| Ornamental trees and shrubbery | Miss Lura Cottle | Coldwater | $10 00 |
| Display of cut flowers | Miss Lura Cottle | Coldwater | $10 00 |
| Largest display of flowers from one vicinity | Miss Lura Cottle | Coldwater | $25 00 |
| Cut flowers | M. J. McGaugh | New River | $5 00 |
| Cut flowers | Mrs. L. M. Grider | Downey | $2 00 |
| Banana trees | J. D. Valencia | Compton | $10 00 |
| Bouquet by a child | Miss T. Cottle | Coldwater | $3 00 |
| Bouquet by a child | Miss L. Workman | Boyle Heights | $3 00 |

## KITCHEN DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| White bread | Miss Ida Andrus | Los Angeles | |
| White bread | Mrs. M. Shepherd | Los Angeles | |
| Rye bread | Mrs. M. Shepherd | Los Angeles | |
| Brown bread | Mrs. M. Shepherd | Los Angeles | |
| Corn bread | Mrs. M. Shepherd | Los Angeles | |
| General display of bread | Mrs. M. Shepherd | Los Angeles | |
| Soda biscuit | Mrs. M. Shepherd | Los Angeles | |
| Raised biscuit | Mrs. M. Shepherd | Los Angeles | $2 50 |
| Domestic wheat bread, by miss under sixteen years of age | Miss Jennie Ellis | Downey | $5 00 |
| Brown bread | Mrs. M. L. Andrus | Los Angeles | |
| Soda biscuit | Mrs. N. J. Andrus | Los Angeles | |
| Raised biscuit | Mrs. N. J. Andrus | Los Angeles | |
| Raised biscuit | Mrs. E. F. Scribner | Downey | $3 00 |
| Corn bread | Mrs. E. F. Scribner | Downey | $3 00 |
| Brown bread | Mrs. E. F. Scribner | Downey | $2 50 |
| Wheat bread | Mrs. E. F. Scribner | Downey | $2 00 |
| General display of bread, six varieties | Mrs. E. F. Scribner | Downey | $10 00 |
| White bread | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| Rye bread | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| Brown bread | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| Corn bread | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| General display of bread, six varieties | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| Plain cake | Mrs. J. Dunsmoor | Los Angeles | $3 00 |
| Soda biscuit | Mrs. J. Dunsmoor | Los Angeles | $2 50 |
| Raised biscuit | Mrs. J. Dunsmoor | Los Angeles | |
| Honey cake | Mrs. J. Dunsmoor | Los Angeles | $5 00 and Diploma. |
| General display of cake, seven varieties | Mrs. J. Dunsmoor | Los Angeles | Cake basket, valued at $7 50. |

## HORTICULTURAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Six varieties of pears | M. J. McGaugh | Downey | $5 00 |
| Two varieties of pomegranates | M. J. McGaugh | Downey | $2 00 |
| Nine varieties of apples | M. J. McGaugh | Downey | $10 00 |
| Six varieties of apples | M. J. McGaugh | Downey | $5 00 |
| Nine varieties of apples | McKinlay Bros. | Vernon | $10 00 |
| Six varieties of apples | McKinlay Bros. | Vernon | $8 00 |
| Six varieties of pears | McKinlay Bros. | Vernon | $10 00 |
| Three varieties of pears | McKinlay Bros. | Vernon | $8 00 |
| Three varieties of pears | W. Newton | New River | $5 00 |
| Six varieties of apples | J. K. Brenzinger | Downey | $6 00 |
| Two varieties of apples (no irrigation) | Cottle & Moffit | Coldwater | Ex. only. |
| Two varieties of apples | Board of Trade | San Bernardino | $5 00 |
| Three varieties of apples | John Hood | Downey | $8 00 |
| Nine varieties of apples | A. E. Davis | Downey | $8 00 |
| Three varieties of apples | A. E. Davis | Downey | $5 00 |
| Two plates of peaches | James Cumpston | Vernon | |
| Three plates of peaches | W. D. McClure | Vernon | |
| One plate of peaches | Mrs. Henry Biays | Vernon | |
| Two plates of peaches | Cottle & Moffit | Coldwater | |
| One plate of peaches | Wm. Beagle | Vernon | |
| Four plates of peaches | F. Sanderson | La Dow | |
| Three plates of peaches | H. Brown | La Dow | |
| Two plates of peaches | McKinlay Bros. | Vernon | |
| Two plates of peaches | J. H. F. Jarchow | San Gabriel | |
| Three plates of peaches | Henry Claussen | Cahuenga | |
| Six plates of peaches | Board of Trade | San Bernardino | $5 00 |
| One plate of peaches | Wm. S. Taylor | Vernon | |
| One plate of peaches, extra large | Sherman Page | Santa Fe Springs | $3 00 |
| Largest display of peaches | H. L. Montgomery | Ranchito | $10 00 |
| Unique display of peaches | John Hood | Downey | $3 00 |
| One plate of green gage plums | Mrs. J. H. Brewer | Vernon | |
| Two plates of Hungarian prunes | Mrs. J. H. Brewer | Vernon | $5 00 |
| Quackenbos plums | McKinlay Bros. | Vernon | |
| Quackenbos plums | Miss L. Cottle | Coldwater | |
| French prunes | Henry Claussen | Cahuenga | |
| Bulgarian plums | Henry Claussen | Cahuenga | |
| Japanese plums | Henry Claussen | Cahuenga | |
| Green gage plums | Henry Claussen | Cahuenga | |
| Display of plums | Board of Trade | San Bernardino | $5 00 |
| Display of quinces | F. Sanderson | La Dow | $5 00 |
| Display of figs | James Root | Rivara | $5 00 |
| Display of quinces | Mrs. E. F. Scribner | Downey | $3 00 |
| Display of quinces | James Stewart | Downey | $1 00 |
| Two varieties of grapes | James Stewart | Downey | $5 00 |
| Display of raisin grapes | James Stewart | Downey | $5 00 |
| Six varieties of grapes | James Stewart | Downey | $3 00 |
| General display of grapes | E. L. Barnett | Downey | $15 00 |
| Table grapes | Henry Claussen | Cahuenga | $10 00 |
| Wine grapes | Henry Claussen | Cahuenga | $10 00 |
| Display of grapes | Board of Trade | San Bernardino | |
| Three varieties of grapes | James Root | Rivara | $3 00 |
| One variety of grapes | James Root | Rivara | $2 00 |

## SEMI-TROPIC DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| General display of semi-tropic fruit | Henry Claussen | Cahuenga | $15 00 |
| Best display of oranges | Henry Claussen | Cahuenga | $15 00 |
| Three varieties of oranges | Henry Claussen | Cahuenga | $10 00 |
| Two varieties of lemons | Henry Claussen | Cahuenga | $8 00 |
| One plate of oranges | Miss R. Stoneman | Alhambra | $3 00 |
| Two plates of seedling oranges | W. D. McClure | Vernon | $5 00 |
| Seedling oranges | McKinlay Bros. | Vernon | |
| Seedling oranges | J. H. F. Jarchow | San Gabriel | |
| Three varieties of oranges | James Root | Rivara | $8 00 |

SEMI-TROPIC DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Three varieties of lemons | J. M. Moss | San Fernando | $10 00 |
| Two varieties of lemons | Board of Trade | San Bernardino | |
| Three varieties of lemons | E. L. Barnett | Downey | $5 00 |
| Two varieties of oranges | H. L. Montgomery | Ranchito | $3 00 |
| Six varieties of oranges | Willie Julian | Downey | $15 00 |
| Display of semi-tropic fruit by a youth | Willie Julian | Downey | $6 00 |

## JELLIES, PICKLES, ETC., DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Pickles | Mrs. W. Caruthers | Downey | $3 00 |
| Six varieties of preserves | Mrs. W. H. Marron | Downey | $10 00 |
| Eight varieties of jellies | Mrs. W. H. Marron | Downey | $6 00 |
| Canned fruit | Mrs. H. S. Flora | Maizeland | $5 00 |
| Jellies | Mrs. H. S. Flora | Maizeland | $3 00 |
| Canned fruit | Mrs. Geo. Skidmore | Downey | $5 00 |
| General display of fruit in glass | Mrs. J. Dunsmoor | Los Angeles | $8 00 |
| Two jars of raspberry jelly | Mrs. J. Dunsmoor | Los Angeles | $2 50 |
| Two jars of currant jelly | Mrs. J. Dunsmoor | Los Angeles | $2 50 |
| Two jars of blackberry jelly | Mrs. J. Dunsmoor | Los Angeles | $2 50 |
| Two jars of strawberry jelly | Mrs. J. Dunsmoor | Los Angeles | $1 50 |
| Two jars of quince jelly | Mrs. J. Dunsmoor | Los Angeles | $1 50 |
| Two jars of blackberry jam | Mrs. J. Dunsmoor | Los Angeles | $1 50 |
| Two jars of raspberry jam | Mrs. J. Dunsmoor | Los Angeles | $1 50 |
| Best display of preserves in glass | Mrs. J. Dunsmoor | Los Angeles | $5 00 |
| Display of pickles | Mrs. J. Dunsmoor | Los Angeles | $3 00 |
| DRIED FRUITS. | | | |
| Twenty-five pounds of sun-dried peaches | F. Sanderson | La Dow | |
| Twenty-five pounds of dried peaches | Board of Trade | San Bernardino | $5 00 |
| Twenty-five pounds of dried apricots | Board of Trade | San Bernardino | $5 00 |
| Dried figs | James Stewart | Downey | $5 00 |
| Twenty-five pounds of dried apples | James Root | Rivara | $5 00 |
| Sun-dried peaches | James Root | Rivara | $5 00 |
| General display of dried fruits | James Root | Rivara | $10 00 |
| Soft shell English walnuts | James Root | Rivara | $5 00 |

## MISCELLANEOUS DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Ground nutmeg melons | J. Wolfskill | Buenos Ayres R. | |
| Plate of nectarines | Miss L. Cottle | Coldwater | |
| King Philip corn | C. A. Coffman | Ranchito | |
| Bale of oat hay | G. W. Rogers | Los Angeles | $2 00 |
| Best county display | Board of Trade | San Bernardino | $25 00 |
| Self-raised grapes | W. J. A. Smith | Los Angeles | Ex. only. |
| Kittatinny blackberries | Mrs. Jas. Cumpston | Vernon | $2 00 |
| Two plates of nectarines | W. D. McClure | Vernon | |
| Two plates of red nectarines | Mrs. J. H. Brewer | Vernon | |
| One plate of yellow nectarines | Mrs. J. H. Brewer | Vernon | $1 00 |
| One plate of Flemish Beauty pears | Mrs. J. H. Brewer | Vernon | $1 00 |
| One plate of Bartlett pears | William Beagle | Vernon | |
| One plate of white nectarines | William Beagle | Vernon | |
| One plate of red nectarines | William Beagle | Vernon | $1 00 |
| Daley's patent sash | H. D. Ley | Los Angeles | Diploma. |
| Two plates of tomatoes | Luca Velardez | La Dow | $1 00 |
| Wire stretcher | J. H. Pounds | San Francisco | Diploma. |
| Two sheaves of millet | J. H. Moffit | Coldwater | Ex. only. |
| Corn on stalk and ear | J. H. Moffit | Coldwater | Ex. only. |
| Orange quinces | McKinlay Bros. | Vernon | Ex. only. |
| Bartlett pears | J. H. F. Jarchow | San Gabriel | Ex. only. |
| Hand-made hammock | W. H. C. Brotherton | Santa Monica | Diploma. |

# SPEED PROGRAMME.

## MONDAY, AUGUST 6, 1888.

### Race No. 1—Running.

For two-year olds. Purse, three hundred dollars. One hundred and ninety-five dollars to first horse; seventy-five dollars to second; thirty dollars to third. One half-mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Odette, ch. f., by Shiloh; dam, Margery | B. P. Hill | El Cajon. |
| Four Aces, ch. c., by Hockhocking; dam, Maid of the Mist | John D. Dunn | Los Angeles. |
| Othello, b. c., by Hockhocking; dam, Sunday | E. R. Den | Santa Barbara. |
| Ulpeano, ch. g., by Jim Brown; dam, Eliza | P. C. Dornalech | Los Angeles. |
| Naicho B, ch. g., by Wanderer; dam, Flower Girl | P. C. Dornalech | Los Angeles. |
| Lady Helen, b. f., by Norfolk; dam, Jessie R. | Thomas H. Williams | San Francisco. |
| Wild Oats, b. c., by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Senovia, ch. f., by Billy Lee; dam, Belle Mason | H. H. Fields | Los Angeles. |
| Fandango, ch. c., by Billy Lee; dam, Lorinda | H. H. Fields | Los Angeles. |
| Cordova, b. c., by Balboa; dam, Armada Howard | Charles H. Thomas | San Jacinto. |

SUMMARY.

Lady Helen ..... 1
Fandango ..... 2
Wild Oats ..... 3

Odette left at post. Balance ran unplaced.

*Time*—0:50½.

### Race No. 2—Running.

All ages. Purse, four hundred and fifty dollars. Two hundred and ninety dollars to first horse; one hundred and fifteen dollars to second; forty-five dollars to third. Mile dash. Weight for age.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sprey, ch. m. (5), by Joe Hooker; dam, Big Gun | Nat Shinners | Sacramento. |
| Idalene Cotton, ch. f. (4), by Jim Brown; dam, Lizzie P | Maltese Villa Stables | Merced. |
| Moses B, ch. c. (3), by Leinster; dam, Aunt Jane | M. G. Bryant | Phœnix, Ariz. |
| Carmalita, b. f. (4), by Hardwood; dam, unknown | Al. Morine | San Diego. |
| John Treat, g. g. (5), by Shiloh; dam, unknown | Al. Morine | San Diego. |
| Gladstone, ch. g. (4), by Reveille; dam, unknown | B. P. Hill | El Cajon. |
| Consuelo, b. s. (5), by Grinstead; dam, Nina R. | E. R. Den | Santa Barbara. |
| Welcome, br. f. (3), by Warwick; dam, Aeola | Pacific Stables | Los Angeles. |
| Del, blk. g. (3), by Falsetto; dam, Mattie Severn | P. C. Dornalech | Los Angeles. |
| Oro, b. s. (4), by Norfolk; dam, Golden Gate | Owens Bros. | Fresno. |

SUMMARY.

| | |
|---|---|
| Laura Gardner | 1 |
| Moses B | 2 |
| Idalene Cotton | 3 |

Balance ran unplaced.

*Time*—1:43¾.

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RACE NO. 3—PACING.

Free for all. Purse, six hundred dollars. Three hundred dollars to first horse; one hundred and fifty dollars to second; ninety dollars to third; sixty dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Patchen T, b. g., pedigree unknown | N. A. Comstock | San Diego. |
| San Diego, b. g., by Victor; dam, thoroughbred | H. C. Airhart & Co. | San Diego. |
| Belmont Boy, ch. g., by Nutwood; dam, Lady Vernon | C. H. Corey | San José. |
| Goldleaf, ch. f. (3), by Sidney; dam, Fernleaf | Pleasanton Stock Farm | Pleasanton. |

SUMMARY.

| | | | |
|---|---|---|---|
| Goldleaf | 1 | 1 | 1 |
| Belmont Boy | 2 | 2 | 4 |
| San Diego | 3 | 3 | 2 |
| Patchen T | 4 | 4 | 3 |

*Time*—2:26; 2:23½; 2:29¾.

---

RACE NO. 4—TROTTING.

2:45 Class. Purse, one thousand dollars. Five hundred dollars to first horse; two hundred and fifty dollars to second; one hundred and fifty dollars to third; one hundred dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Albion, b. h., by Gen. Benton; dam, Amy | Chino Ranch | Chino. |
| Pink, ch. m., by Inca; dam by Echo | J. H. Kelly | San Bernardino. |
| Dick Richmond, g. h., by A. W. Richmond; dam, unknown | C. A. Durfee | Los Angeles. |
| Aldeana, b. f., by Electioneer; dam, Eliza Dolph. | Palo Alto Stock Farm | Menlo Park. |
| Maggie E, b. m., by Nutwood; dam by George M. Patchen | S. B. Emerson | San José. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Maggie E | 2 | 1 | 1 | 1 |
| Pink | 1 | 2 | 3 | 2 |
| Dick Richmond | 3 | 3 | 2 | 3 |
| Albion | 5 | 5 | 4 | 4 |
| Aldeana | 4 | 4 | dr. | |

*Time*—2:30½; 2:27; 2:25¼; 2:30.

## TUESDAY, AUGUST 7, 1888.

### Race No. 6—Trotting.

Southern California Trotting Stake. For three-year olds. Closed December 1, 1886, with eleven nominations. Walkover for C. A. Durfee's b. s. Raymon, by Simmons; dam, Lady Raymon. Value to winner, two hundred and thirty-five dollars.

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### Race No. 7—Trotting.

2:23 Class. Purse, one thousand dollars. Five hundred dollars to first horse; two hundred and fifty dollars to second; one hundred and fifty dollars to third; one hundred dollars to fourth. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Alcazar, b. s., by Sultan; dam, Minnie Ha Ha | L. J. Rose | Los Angeles. |
| Valentine, b. g., by Ferral's Clay; dam, Queen | J. H. Kelly | San Bernardino. |
| Gertrude Russell, b. m., by Electioneer; dam, Dame Winnie | Palo Alto Stock Farm | Menlo Park. |
| Maid of Oaks, ch. m., by Duke McLellan | Pleasanton St'k Farm | Pleasanton. |
| Alfred S, b. g., by Elmo; dam, Nora Marshall | W. H. Seale | Mayfield. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Alfred S | 1 | 3 | 1 | 1 |
| Valentine | 2 | 1 | 2 | 3 |
| Maid of Oaks | 3 | 2 | 3 | 2 |

*Time*—2:21; 2:25; 2:23¾; 2:25.

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### Special Race.

2:35 Class. District trotting. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dubec, b. g., by Sultan | L. J. Rose | Los Angeles. |
| Woolsey, b. s., by Electioneer; dam, Waxana | Chino Ranch | Chino. |
| Pond Lily, b. m., by Geo. M. Patchen | J. B. Mason | Los Angeles. |
| Don Tomas, blk. g., by Del Sur | C. A. Durfee | Los Angeles. |

SUMMARY.

| | | | |
|---|---|---|---|
| Don Tomas | 1 | 1 | 1 |
| Dubec | 2 | 2 | 2 |
| Pond Lily | 3 | 3 | 3 |

*Time*—2:28½; 2:28½; 2:26¼.

## WEDNESDAY, AUGUST 8, 1888.

### Race No. 8—Running.

For three-year olds. Purse, four hundred dollars. Two hundred and sixty dollars to first horse; one hundred dollars to second; forty dollars to third. Three-fourths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Heliotrope, b. f., by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Welcome, br. f., by Warwick; dam, Aeola | Pacific Stables | Los Angeles. |
| Del, blk. g., by Falsetto; dam, Mattie Severn | P. C. Dornalech | Los Angeles. |
| Carmen, ch. f., by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Serpolette, ch. f., by Norfolk; dam, Mattie Glenn | Owens Bros. | Fresno. |

SUMMARY.

| | |
|---|---|
| Carmen | 1 |
| Heliotrope | 2 |
| Welcome | 3 |
| Serpolette | 4 |

*Time*—1:15½.

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### Race No. 9—Running.

For all ages. Purse, six hundred dollars. Weight for age. Three hundred and ninety dollars to first horse; one hundred and fifty dollars to second; sixty dollars to third.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idalene Cotton, ch. m. (4), by Jim Brown; dam, Lizzie P | Maltese Villa Stables | Merced. |
| Heliotrope, b. f. (3), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Moses B, ch. c. (3), by Leinster; dam, Aunt Jane | M. S. Bryant | Phœnix, A. T. |
| John Treat, g. g. (5), by Shiloh; dam, by Norfolk | Al. Morine | San Diego. |
| Carmalita, b. f. (4), by Hardwood; dam, by Shiloh | Al. Morine | San Diego. |
| Four Aces, ch. c. (2), by Hockhocking; dam, Maid of the Mist | John D. Dunn | Los Angeles. |
| Consuelo, b. s. (5), by Grinstead; dam, Nina R. | E. R. Den | Santa Barbara. |
| Ed McGinnis, b. c. (3), by Grinstead; dam, Jennie G | Pacific Stables | Los Angeles. |
| Laura Gardner, b. m. (4), by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara. |
| Oro, b. c., by Norfolk; dam, Golden Gate | Owens Bros. | Fresno. |

SUMMARY.

| | |
|---|---|
| Laura Gardner | 1 |
| Idalene Cotton | 2 |
| John Treat | 3 |
| Moses B | 4 |

*Time*—2:07¼.

RACE No. 10—TROTTING.

Stake for three-year olds. Closed March fifteenth. Three entries. Two hundred and twelve and one half dollars to first horse; eighty-seven and one half dollars to second. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gossiper, b. s., by Simmons | C. A. Durfee | Los Angeles. |
| Direct, blk. s., by Director | Pleasanton Stock Farm | Pleasanton. |

SUMMARY.

| | | | |
|---|---|---|---|
| Direct | 1 | 1 | 1 |
| Gossiper | 2 | 2 | 2 |

*Time*—2:38; 2:29½; 2:30½.

RACE No. 11—TROTTING.

Free for all. Purse, twelve hundred dollars. Six hundred dollars to first horse; three hundred dollars to second; one hundred and eighty dollars to third; one hundred and twenty dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Stamboul, b. s. (5), by Sultan; dam, Fleetwing | L. J. Rose | Los Angeles. |
| Manzanita, b. m. (6), by Electioneer; dam, Mayflower | Palo Alto Stock Farm | Menlo Park. |
| Arab, b. g. (aged), by Arthurton; dam, Lady Hamilton | O. A. Hickok | San Francisco. |

SUMMARY.

| | | | |
|---|---|---|---|
| Stamboul | 1 | 1 | 1 |
| Arab | 2 | 2 | 2 |

*Time*—2:15; 2:17½; 2:16¾.

THURSDAY, AUGUST 9, 1888.

RACE No. 12—RUNNING.

For two-year olds, foals of 1886. Stake closed December 1, 1886, with fourteen nominations. All declared but following. Value of stake to winner, three hundred and sixty-eight dollars; to second, one hundred and eighty-four dollars; to third, fifty-nine dollars. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Wild Oats, b. c., by Wildidle; dam, Mary Givens | W. L. Appleby | Santa Clara. |
| Fandango, ch. c., by Billy Lee; dam, Lorinda | H. H. Fields | Los Angeles. |
| Four Aces, ch. c., by Hockhocking; dam, Maid of the Mist | John D. Dunn | Los Angeles. |

SUMMARY.

| | |
|---|---|
| Four Aces | 1 |
| Wild Oats | 2 |
| Fandango | 3 |

*Time*—1:47½.

RACE No. 13—RUNNING.

All ages. Weight for age. Purse, four hundred dollars. Two hundred and sixty dollars to first horse; one hundred dollars to second; forty dollars to third. Three-quarter mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood, ch. g. (4), by Norfolk; dam, Ballinette | Maltese Villa Stables | Merced. |
| Mikado, ch. g. (4), by Shiloh; dam, Margery | B. P. Hill | El Cajon. |
| Gladstone, ch. g. (4), by Reveille | B. P. Hill | El Cajon. |
| Red Jacket, b. g. (aged), by Woodman; dam, Nancy Wight | O. M. Converse | Los Angeles. |
| Consuelo, b. s. (5), by Grinstead; dam, Nina R. | E. R. Den | Santa Barbara. |
| Del, blk. g. (3), by Falsetto; dam, Mattie Severn | P. C. Dornalech | Los Angeles. |
| Welcome, br. f. (3), by Warwick; dam, Aeola | Pacific Stables | Los Angeles. |
| Carmen, ch. f. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Serpolette, ch. f. (3), by Norfolk; dam, Mattie Glenn | Owens Brothers | Fresno. |

SUMMARY.

| | | |
|---|---|---|
| Carmen | 1 | 1 |
| Gladstone | 2 | 2 |
| Consuelo | 3 | 3 |
| Elwood | dis. | |

*Time*—1:20½; 1:20½.

RACE No. 14—TROTTING.

Trotting stake for two-year olds, foals of 1886. Closed December 1, 1886, with eleven nominations. All declared or paid forfeit except below. Value to first horse, two hundred and ninety-seven dollars; to second, one hundred and forty-eight and one half dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Vesolia, b. f., by Stamboul; dam, Inez, by The Moor | L. J. Rose | Los Angeles. |
| Tono, ch. c., by Judge Salisbury; dam by Whipple's Hambletonian | N. A. Covarrubias | Los Angeles. |

SUMMARY.

| | | |
|---|---|---|
| Vesolia | 1 | 1 |
| Tono | 2 | 2 |

*Time*—2:46½; 2:35.

RACE No. 15—TROTTING.

2:30 Class. Purse, one thousand dollars. Five hundred dollars to first horse; two hundred and fifty dollars to second; one hundred and fifty dollars to third; one hundred dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Don Tomas, blk. g. (aged), by Del Sur; dam, by Mambrino Patchen | C. A. Durfee | Los Angeles. |
| Elector, b. s., by Electioneer; dam, Lady Babcock | O. A. Hickok | San Francisco. |
| Franklin, blk. g., by General Reno | Chas. Davis & Co. | San Francisco. |
| Express, b. g., by Electioneer; dam, Esther, by Express | Palo Alto Stock Farm | Menlo Park. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Franklin | 1 | 3 | 1 | 2 | 1 |
| Elector | 4 | 1 | 2 | 1 | 2 |
| Don Tomas | 0 | 2 | 4 | 3 | 3 |
| Express | 0 | 4 | 3 | 4 | 4 |

*Time*—2:28; 2:21¼; 2:22¾; 2:23; 2:25.

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## FRIDAY, AUGUST 10, 1888.

### Race No. 16—Running.

Stake for three-year olds; foals of 1885. Closed December 1, 1886, with eight nominations. All closed paid forfeit or declared except below. Dash of one and one half miles. Value to winner, three hundred and twelve dollars; one hundred and fifty-six dollars to second.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Origin, b. s., by Hardwood; dam, Mollie Adams | | |
| Ed. McGinnis, b. s., by Grinstead; dam, Jennie G | | |

SUMMARY.

| | |
|---|---|
| Ed. McGinnis | 1 |
| Origin | 2 |

*Time*—2:50.

---

### Special Running.

For two-year olds. Purse, one hundred dollars. Sixty-five dollars to first horse; twenty-five dollars to second; ten dollars to third. Five eighths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Naicho B, ch. g., by Wanderer; dam, Flower Girl | P. C. Dornalech | Los Angeles. |
| Fandango, ch. c., by Billy Lee; dam, Lorinda | H. H. Fields | Los Angeles. |
| Futurity, blk. f., by John A | W. L. Appleby | Santa Clara. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Naicho B, Futurity | dead heat—first place | 0 | 1 | run off. |
| | | 0 | 2 | |
| Fandango | | 3 | | |

*Time*—1:04; 1:05.

---

### Race No. 17—Running.

All ages. Weight for age. Purse, four hundred dollars. Two hundred and sixty dollars to first horse; one hundred dollars to second; forty dollars to third. Three quarters of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sprey (formerly Queen Kapoliana), ch. m. (5) by Joe Hooker; dam, Big Gun | Nat Shinners | Sacramento. |
| Idalene Cotton, ch. m. (4), by Jim Brown; dam, Lizzie P | Maltese Villa Stable | Merced. |
| Heliotrope, b. f. (3), by Joe Hooker; dam, Yolone | Mrs. S. B. Wolfskill | Santa Monica. |
| Adam, b. g. (5), by Reveille | B. P. Hill | El Cajon. |

RACE NO. 17—RUNNING—Continued.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Carmalita, b. m. (4), by Hardwood; dam, by Shiloh | Al. Morine | San Diego. |
| Typesetter, b. c. (3), by Hockhocking; dam, by Ben Wade | John D. Dunn | Los Angeles. |
| Consuelo, b. s. (5), by Grinstead; dam, Nina R. | E. R. Den | Santa Barbara. |
| Welcome, b. m. (3), by Warwick; dam, Aeola | Pacific Stables | Los Angeles. |
| Del, blk. g.(3), by Falsetto; dam, Mattie Severn | P. C. Dornalech | Los Angeles. |
| Carmen, ch. m. (3), by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Johnny Gray, g. g.(aged), by Shiloh; dam, Margery | George Howson | Sacramento. |

SUMMARY.

| | |
|---|---|
| Carmen | 1 |
| Heliotrope | 2 |
| Johnny Gray | 3 |

Balance unplaced.

*Time*—1:15.

---

SPECIAL TROTTING.

For two-year olds. Purse, one hundred and fifty dollars. One hundred dollars to first horse; fifty dollars to second. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sunol, b. f., by Electioneer | Palo Alto Stock Farm | Menlo Park. |
| Vesolia, b. f., by Stamboul | L. J. Rose | Los Angeles. |

SUMMARY.

| | | |
|---|---|---|
| Sunol | 1 | 1 |
| Vesolia | 2 | 2 |

*Time*—2:32½; 2:25.

---

RACE NO. 18—TROTTING.

3:00 Class. District horses. L. J. Rose's stable barred. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Danger, b. g., by Odd Fellow | John B. Kennedy | Santa Ana. |
| Albion, b. s., by Gen. Benton | Chino Ranch | Chino. |
| Woolsey, b. g., by Electioneer; dam, Waxana | Chino Ranch | Chino. |
| Pink, ch. m., by Inca | J. H. Kelly | San Bernardino. |
| Dick Richmond, g. s., by A. W. Richmond | C. A. Durfee | Los Angeles. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Pink | 2 | 1 | 1 | 1 |
| Albion | 1 | 3 | 3 | 3 |
| Dick Richmond | 3 | 2 | 2 | 2 |

*Time*—2:29; 2:29¾; 2:30; 2:31¼.

RACE No. 19—TROTTING.

2:20 Class. Purse, one thousand dollars. Five hundred dollars to first horse; two hundred and fifty dollars to second; one hundred and fifty dollars to third; one hundred dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Valentine, b. g., by Ferral's Clay, dam, Queen | J. H. Kelly | San Bernardino. |
| Conde, ch. g., by Abbotsford; dam, Katie Prior. | O. A. Hickok | San Francisco. |
| Hinda Rose, b. f., by Electioneer; dam, Beautiful Bells | Palo Alto Stock Farm | Menlo Park. |
| Maid of Oaks, ch. m., by Duke McLellan. | Pleasanton St'k Farm | Pleasanton. |
| Alfred S, b. g., by Elmo; dam, Nora Marshall | W. H. Seale | Mayfield. |

SUMMARY.

| | | | |
|---|---|---|---|
| Alfred S | 1 | 1 | 1 |
| Maid of Oaks | 2 | 2 | 2 |
| Valentine | 3 | 3 | 3 |

*Time*—2:22½; 2:22¼; 2:21¼.

RACE No. 22—TROTTING.

Stake race for four-year olds. Closed March 15, 1888. Three entries. Value to winner, two hundred and fifteen dollars and fifty cents; to second, eighty-seven dollars and fifty cents. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dubec, b. g., by Sultan; dam, by Cal Dexter | L. J. Rose | Los Angeles. |
| Ella, b. m., by Electioneer; dam, Lady Ella | Palo Alto Stock Farm | Menlo Park. |
| Carlisle, ch. c., by Piedmont; dam, Idabelle | Palo Alto Stock Farm | Menlo Park. |

SUMMARY.

| | | | |
|---|---|---|---|
| Dubec | 1 | 1 | 1 |
| Ella | 2 | 2 | 2 |

*Time*—2:28; 2:28½; 2:28½.

## SATURDAY, AUGUST 11, 1888.

RACE No. 23—TROTTING.

2:25 Class. Purse, one thousand dollars. Five hundred dollars to first horse; two hundred and fifty dollars to second; one hundred and fifty dollars to third; one hundred dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jim Blaine, blk. g., by Pathfinder | E. B. Gifford | San Diego. |
| Azmoor, b. c., by Electioneer; dam, Mamie C. | Palo Alto Stock Farm | Menlo Park. |
| Express, b. g., by Electioneer; dam, Esther, by Express | Palo Alto Stock Farm | Menlo Park. |
| Longfellow, ch. g., by Whipple's Hambletonian. | W. H. Seale | Mayfield. |
| Maggie E, b. m., by Nutwood; dam, by Mambrino Patchen | S. B. Emerson | San José. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Maggie E | 4 | 1 | 1 | 1 |
| Longfellow | 1 | 3 | 3 | 2 |
| Jim Blaine | 2 | 4 | 2 | 3 |
| Express | 3 | 2 | 4 | 4 |

*Time*—2:29; 2:23; 2:27¼; 2:29.

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RACE NO. 20—RUNNING.

All ages. Purse, three hundred and fifty dollars. Two hundred and seven dollars and fifty cents to first horse; ninety-seven dollars and fifty cents to second; thirty-five dollars to third. Weight for age. Half-mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Tam Poco, ch. g. (aged), by Bowhocks | J. C. Hickey | Santa Ana. |
| Silverella, ch. m. (6), by Reveille | B. P. Hill | El Cajon. |
| Adam, ch. g. (5), by Reveille | B. P. Hill | El Cajon. |
| Sleepy Dick, ch. g. (6), by Joe Daniels | F. M. Starkey | Stockton. |
| Typesetter, b. c. (3), by Hockhocking | John D. Dunn | Los Angeles. |
| Johnny Gray, g. g., by Shiloh | Geo. Howson | Sacramento. |

SUMMARY.

| | | |
|---|---|---|
| Sleepy Dick | 1 | 1 |
| Johnny Gray | 2 | 2 |
| Adam | 3 | 3 |
| Typesetter | dis. | |

*Time*—0:49¼; 0:49¼.

---

RACE NO. 21—RUNNING.

Consolation free purse, two hundred and fifty dollars. One hundred and sixty-five dollars to first horse; sixty dollars to second; twenty-five dollars to third. Weight for age. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idalene Cotton, ch. m. (4) | Maltese Villa Stables | Merced. |
| John Treat, g. g. (5) | Al. Morine | San Diego. |
| Carmalita, b. m. (4) | Al. Morine | San Diego. |
| Welcome, br. f. (3) | Pacific Stables | Los Angeles. |
| Elwood, ch. g. (4) | Maltese Villa Stables | Merced. |
| Oro, b. s. (4) | Geo. Howson | Sacramento. |

SUMMARY.

| | |
|---|---|
| Welcome | 1 |
| John Treat | 2 |
| Idalene Cotton | 3 |
| Elwood | 4 |
| Carmalita | 5 |
| Oro | 6 |

*Time*—1:43.

# TRANSACTIONS

OF THE

# SEVENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Monterey and San Benito.

# OFFICERS OF THE ASSOCIATION.

J. D. CARR ..... President.
JOHN J. KELLY ..... Secretary.
WM. VANDERHURST ..... Treasurer.

## DIRECTORS.

J. D. CARR ..... Salinas City.
J. B. IVERSON ..... Salinas City.
M. LYNN ..... Salinas City.
PARIS KILBURN ..... Salinas City.
W. L. CARPENTER ..... Salinas City.
H. COREY ..... Salinas City.
B. V. SARGENT ..... Monterey.
Dr. THOMAS FLINT ..... San Juan South.

# REPORT.

SALINAS CITY, December 12, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Seventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JOHN J. KELLY, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Rent of pavilion | $190 00 | |
| Sale of privileges | 718 00 | |
| Single admission tickets | 1,185 50 | |
| Annual membership | 345 00 | |
| Season tickets | 84 00 | |
| Badges | 65 00 | |
| Entrance money | 675 00 | |
| State warrant | 1,500 00 | |
| | | $4,762 50 |

*Expenditures.*

| | | |
|---|---|---|
| Premiums and purses | $2,657 00 | |
| Discount | 20 00 | |
| Printing and advertising | 168 50 | |
| Music | 160 00 | |
| Insurance | 82 50 | |
| National Trotting Association | 56 00 | |
| Material | 504 06 | |
| Labor | 425 95 | |
| Gas and water | 44 80 | |
| Freight, expressage, and postage | 13 50 | |
| Cash on hand | 630 19 | |
| | | $4,762 50 |

# ANNUAL ADDRESS.

Delivered by Rev. George McCormick, before the Monterey District Agricultural Association, Salinas City, October 5, 1888.

Mr. President, Members of the Agricultural Association, Ladies and Gentlemen: As I understand the duty I have somewhat rashly assumed at the eleventh hour of addressing you this evening, it is largely that of a Fourth of July oration, based not so much on the political and general greatness of our common country as on the material resources particularly represented at this fair. The subject is neither unfamiliar nor uninteresting to me. I am not in the embarrassing predicament of the Chaplain of George III, of England, after the Revolutionary war. The King appointed a day of thanksgiving. The Chaplain came to him to inquire what they were to give thanks for. "Was it the loss of thirteen of the richest colonies of the kingdom?" "No," said the King. "Was it for the loss of the fine armies that had suffered defeat in America?" "No." "Well, what was it for?" "Why," said the King, "because the thing is no worse than it is." He was making the best of a bad bargain. The people who live in Monterey and San Benito Counties certainly have natural advantages which relieve them from all embarrassments of this kind. We have a goodly heritage, and the lines have fallen to us in pleasant places. It is hard for an old resident to understand how a new comer can be homesick or discontented. This is not one of the places that are celebrated as good to emigrate from. It is justly celebrated as one of the best under the sun to immigrate to. The unprecedented tide of immigration that has rolled in upon California during the last few years, and of which our particular section has had its full share, considering the disadvantages under which we have labored, and which I will mention more particularly further on, fully vindicate the above statement.

Why, then, is our country one of the best under the sun to immigrate to? In other words, what are the essential elements of a good country, and how can these best be handled so as to make the most of them?

1. Rich and varied natural resources and attraction. We certainly have these. The farmer finds here the richest of soils. In this respect we have scarcely a superior in all our State. Our ranch owners have no cause to complain. As evidence of their prosperity, I notice a number of fine ranch houses in process of erection, of a class that does great credit to our valley. The thousands of dollars thus invested have been made on the ground, and not imported from abroad. Others of a like class will soon follow, greatly adding to the thrifty appearance of the country, and helping to invite new settlers of the best class. The stock raiser finds here multipled advantages. He needs no expensive provision for long, bitter winters. The blizzard never finds him. The varied growths of hills and plains are all in his favor. The fruit grower has long since passed the period of experiment. Enough has been done to prove that in quality and variety of our fruits we can compete well with any other county in the State. This is an industry that should receive the special attention of our people, and will well repay

all the care bestowed upon it. The miner is finding in some sections of our county rich deposits of coal, oil, marble, and precious metals. It is generally believed that more thorough and general prospecting will greatly increase this source of wealth. In climate we are literally unsurpassed. We have no hard winters or hot summers. Our gardens thrive and our flowers bloom all the year. A good tent or a board hut is ample shelter from our worst storms. An hour's drive from the valley into the shelter of the foothills, or up the mountain side, gives a more complete change of climate than a day's travel in the Eastern States. Fever and ague cannot live among us. We laugh at malaria. If rheumatism or dyspepsia ever threaten us we bathe in and drink from our unexcelled hot mineral springs and forget our ills. Our natural scenery is both pleasing and varied. In its diversity of mountain, hill, valley, and cañon, it cannot fail in presenting homelike reminders to comers from all quarters. Nature has certainly dealt us her bounties with a lavish hand, and God has made here one of earth's richest, choicest dwelling places. In all the essentials of thrifty, prosperous, comfortable existence we have no lack in our natural resources and attractions. Our foundation is the very best.

2. The next essential of a good country is that it be in close connection with the outside world.

Time was when the hunter and the squatter were the pioneers. They were the principal agents in opening up a new country. The main appliances of civilization were expected to follow in their wake. All this has changed. We live too fast for it now. The locomotive, and the printing press, with the school, the church, and the town, are our pioneers. In proof of this assertion notice the settlement of the southern part of this county since the extension of the railroad from Soledad to Templeton. True, it was settled before. But the advent of the locomotive was the signal for the readjustment of settlement that has almost amounted to an entire change in this respect. New towns sprung up as by magic all along the railroad line. Stores, shops, churches, schools came with the towns. People flocked in and filled up the country, occupying Government land and buying homes, until that section is peopled and improved as never before. This is but a very small specimen of what is being done all over the great West to-day. You have noticed that the multiplication of transcontinental railroads has brought the boom times to Southern California. No sooner could people reach that favored section with ease and cheapness than its natural attractions brought them by the tens of thousands. Here has been one of the greatest drawbacks to the proper settlement of our section. We have lived in a corner. We have been off the lines of travel mostly used by strangers. We have not advertised ourselves extensively. As a result, comparatively few home-seekers have ever found us. The tourist has missed us. But now that our railroad is having its last link forged that is to make it one of the great transcontinental chains, we may hope for better things. The home-seeker and the tourist will no longer miss us. The great bulk of the travel to the far-famed "Cape May of the Pacific" must pass through our valley. Let its fair acres be offered for homes, in quantities to suit, and on reasonable terms, and our tenantry system will soon be a thing of the past. The redwood shanty and the tumble-down barn, the treeless, yardless, cheerless renters quarters, so often met with now, will give place to such homes as in most places already adorn the premises of our ranch owners. When I spend a week or two among the colonies in Fresno County, and see what irrigation and small home holdings can do for a country, I grow more than ever impatient for some change of conditions that will advance our material interest, not simply to par,

but above par, with naturally poorer sections that are outstripping us in their progress. Do not understand me as finding fault with the capitalist. We must have him, to make public improvements, to put our lands on the market, and in every respect to manage the opening settlement of our country. The time has come when the wealthy man, rather than the poor man, must be the pioneer. The man who controls vast tracts of land can, if he will, bring in whole colonies, and settle up the country by wholesale. If I am accused of giving undue prominence to increase of population, my response is that this develops the resources of any country as does nothing else. The man who sells ten thousand acres to small farmers, and then wonders what he is to do with his capital, will find in the settlers to whom he has sold his acres opportunities of investing unthought of before. To begin with, they pay him interest on two thirds or three fourths of the unpaid principal of their purchase. Many of them must, in addition, have help in making their improvements. In this way, for years to come, he has a safe and remunerative investment, and the satisfaction of seeing the wealth of the country increase as it could not before. I grant you that I view this matter from a standpoint entirely outside of ideas that a capitalist might regard as at all practical. I may be altogether visionary. If so, I hope to be pardoned, and am quite sure no harm can come of idle dreams. With the release of capital with large land holdings, and the consequent increase of population, must come the demand for manufactures, mills, etc., and the financial ability to meet it, to the great gain of the material interests of the community.

Not alone through our railroads must we have connection and communication with the outside world. Through our press, the widespread exhibition of our products, our Boards of Trade, and all other means and methods of modern advertising, we must make our resources and advantages known abroad. I have faith in judicious and liberal advertising. We Californians get credit for stretching the truth considerably in this matter, but the accusation comes largely, of course, from the ignorance of those who have never seen for themselves. We "truthful Johns" always try to tell less rather than more than we can substantiate. Even then they will not believe us in many instances till they come and see for themselves that the half has not been told them. A California minister some years ago lectured one evening in the church of a brother clergyman in one of the Eastern States, on California. He did his best to keep within bounds that would be believed. Next Sabbath he preached in the same pulpit. One of the elders with his whole family was absent. Such a thing had never happened without good cause, and the pastor called on Monday morning to learn what was wrong. They were in good health, "but that California preacher had told so many whoppers in his lecture that it was no use trying to listen to his preaching with any edification," and so they had remained away. For all that, fellow citizens, we must let the world hear from us if we expect them to notice us. We must advertise.

That is what we are trying to do in our district. We gather here our best live stock, and we can make an exhibition in this respect of which we are justly proud. I well remember that fifteen years ago the mustang was thought good enough for the farm team. What was known as American stock was counted extra, especially for driving purposes; but the mustang, the broncho, and even the American, are largely out of date to-day. In their places we have the very best classes of imported and thoroughbred stock. It is a pleasure to every lover of good horses to watch our heavy teams as they haul our grain to market. I have never seen in any other

section of the country either their equal or superior. On racing stock I am not well posted; but I do know that when it comes to buying a good roadster for family use—one you know that has good blood, is gentle, well broke, and cannot be dusted in the face by every other team on the road—they are all so superior in quality, and in price, that a poor man begins to think he had better walk, or get a bicycle. We gather here also the best products of our farms, our dairies, our shops, our stores, and the choicest handiwork of our fair women. We arrange them in attractive display in our spacious pavilion. We offer prizes for the very best. We say to the world, come and see how well we can do. Wouldn't you like to live in such a country, among such a people? In inquiring for points for this address, I found one of our good ladies who is greatly interested in the success of our fair, and who contributes largely to it, very much dissatisfied with the cutting down of the premium list at the pavilion. If she is right, and there are, I find, plenty who agree with her, this ought to be augmented rather than diminished. It ought to fill this spacious building for the exhibition of our products after the most artistic and attractive fashion, and then crowd it with the most and the best in every department of our industries. I am fully persuaded that the time has come when we must make our exhibitions a more prominent feature, or fall behind in our competition with other parts of our State for our full share of the general prosperity.

You and I have also learned long ago, Mr. President, that it will not do to even seem to discourage or underrate the work done by our good ladies in any department of life. To their taste, skill, and untiring energies our district fairs have owed much of their success, and I bespeak for them the fullest encouragement in the exhibition of their handiwork.

3. Another essential of a good country is good schools. The school is another pioneer of modern civilization. California ranks high in her public school system. She can justly be very proud of it. Its standard is exceptionally high. It pays good wages to its teachers. It grows and trains these largely out of the ranks of its own scholars. We can boldly say to every parent contemplating a home with us: "We can furnish you a first class common school education for your children." We can offer also a university course that is unexcelled. If we lack in anything in the public school system, as I am acquainted with it, it is an academical link between the common school and the university. Some of the older States excel us in this respect. We should copy their example, and in the public schools of at least every county seat have a department that would classically and scientifically fit pupils for the sophomore class of any college in the land. I trust the day is not far distant when this defect will be remedied. As far as we have gone, our public schools are of the best, and we are not ashamed to advertise them as such. Nor can we afford to underrate them as a prime essential of a good country.

Their exhibit at the late meeting of the National Educational Association was most creditable, and I am sorry it is not before the public in this pavilion, as it was lately during our County Teachers' Institute. It is only one of a number of omissions that our people should try to have corrected at our future exhibitions.

4. Another essential of a good country is good morals. You may think it is within my province to treat this point from a religious aspect only. I am accustomed in my pulpit to treat it from a business viewpoint as well. Do good morals make better citizens, more wealth, greater prosperity, and in general add to the attractions and goaheaditiveness of a community? Is it to its advantage that virtue should be stimulated and vice discour-

aged? Is it for its gain to have justice dealt out with an even hand, and crime properly punished? Is there any profit in keeping the vicious at the rear and at the foot rather than at the front and at the top? Are plenty of churches and well kept Sabbaths a gain or a damage? I think you will agree with me that all such queries must be answered in favor of good morals, justice, order, and religion, and that from a commercial standpoint, even if we go no higher. Some of you have often told me this. Some of you send your children to Sabbath school with a view of making them morally stronger for the business battles in store for them. Our good repute for morality, etc., attracts the best classes to us, and correspondingly repels the vicious. Churches and Sabbath schools are the most efficient police regulations, first class recommendations, and strong factors in building up and developing the material prosperity of any community. Dr. Strong in his marvelous book, "Our Country," which you can get for 25 cents at any of our book stores, and which is well worth your perusal, tells of two adjoining townships on the Western Reserve in Ohio, which, in their original settlement, presented the contrast of Christianity and its most rigid exclusion. A Christian founded the one and an infidel the other, and each did his best to impress his ideas on his settlement. Each succeeded to a remarkable degree. The one township was settled with Christians. A church was organized under the roof of the first log cabin. The school house and the public library soon followed. An academy was soon planted. Several benevolent societies were organized, and here was opened the first school for the deaf and dumb in the State of Ohio. The other township from the very beginning barred out the church. It does so to this day, being still without a church organization. Though within five miles of one of the best colleges in the West, no young man from it has ever taken a college course. But few have entered professional life, and none of them have gained a wide reputation. The other township is widely known to-day for its moral and religious character, its wealth and liberality, and for the exceptionally large number of young men and women it sends to colleges and seminaries. Though it has a poorer soil than its neighbor, its assessed valuation of real and personal property exceeds it by 56 per cent. It has furnished many members of the State Legislature and Senate. It has been fruitful of ministers and educators, some of whom have gained a national reputation. It has furnished college professors, members of the Supreme Bench of the State, and of the United States Congress. This is only one of many examples that might be given, all going to prove that the moral and religious tone of any community is a most important factor in promoting its general welfare. At present, when we are so desirous to attract the best classes of people from all quarters to settle among us, we must not forget that morality, good order, justice, decency, etc., at the front and on top, are prime essentials of success. Their opposites are sure to discount us in the race for success.

5. Another essential of a good country is a spirit of public improvement. The time has come when the "Sleepy Hollow" community, as well as the "Sleepy Hollow" citizen, is sure to get left. An unkempt town, with poor street improvements, or none at all, without waterworks, gas works, electric lights, fire engines, and other necessities of modern civilization, is a modern abomination. Mud roads in winter, dust roads in summer, and bridgeless streams are a sad discount on a country at the present time. Let me congratulate you, fellow citizens of this district, that we are grandly redeeming ourselves from all reproach in this respect. It is a real pleasure to me to have a "prior resident"—not of the Mongolian type—return and note the improvements that are in progress on every hand. Let us

cherish this spirit, assured that in every particular it will work out prosperity for us. Unless we are observant and attentive we have no idea of how much value even little things are in this respect. Let me give you one of the straws to show you which way the wind blows. Not long since a very intelligent, and an experienced and successful teacher from a neighboring county, passed through our town, and naturally took a particular look at our school buildings. They showed broken fences, no trees, and generally cheerless surroundings in so far as the school premises were concerned. The idea followed from this to the stranger mind that the schools must be of the same order. The school exhibits were examined in San Francisco to sustain this idea. They showed to the entire satisfaction of the visitor that the schools were incomparably superior to the indications of their cheerless premises. I say I simply give this as a straw. But such straws are valuable, not for straw beds, but for hints to excite us to see ourselves as others see us, and dress ourselves so that others shall be attracted rather than repelled.

In conclusion, I regard the present as a crisis period in the history of our county. We have waited long and patiently for its improvement and settlement according to the just deserts of its superior natural resources and attractions. We have been passing through a period of patient experiments, and are ready for better things. The near completion of our railroad, by which we will be placed on one of the great transcontinental lines of travel and traffic, will, in my judgment, bring with it changes of which many are not dreaming. I am confident that we have scarcely begun the development of our natural resources. We are largely ignorant of their capabilities. It is this thought—my personal interest in this section as the home and the field of labor to which God most plainly called me, and in which I hope to end my days, and my thorough interest in all that concerns the real welfare of this community—that has prompted what I have said to you this evening. If in anything I have erred I trust you will forgive. If I have been able to give any thought that will stimulate to higher and better things, which is our only good reason for living, I am more than repaid. Thanking you for your kind attention, and sorry I could not have served you better, I am, most respectfully, your obedient servant.

# PREMIUMS AWARDED—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| THOROUGHBREDS—STALLIONS. | | | |
| Ironclad, three years old or over | Charles Cockerill | Soledad | $10 00 |
| Chongo, one year old | Charles Cockerill | Soledad | $5 00 |
| MARES. | | | |
| Daisy D, three years old or over | Charles Cockerill | Soledad | $8 00 |
| FAMILIES. | | | |
| Mambrino, Jr. and five colts | J. D. Carr | Salinas City | $15 00 |
| Lady Jones and four colts | J. B. Iverson | Salinas City | $10 00 |
| ROADSTERS—STALLIONS OR GELDINGS. | | | |
| Manzanita, four years old or over | J. D. Carr | Salinas City | $10 00 |
| Lawyer Nutwood, three years old | P. McCartney | Salinas City | $8 00 |
| Crescent, two years old | Ira Rose | Salinas City | $5 00 |
| MARES. | | | |
| Flora G, three years old or over | A. Sweeten | Salinas City | $7 50 |
| Lady St. Clair, two years old | P. M. Jacks | Salinas City | $5 00 |
| HORSES FOR ALL PUEPOSES—STALLIONS. | | | |
| Nonpareil, four years old or over | James Storm | Salinas City | $15 00 |
| Glenwood, three years old | J. R. Hebbron | Salinas City | $10 00 |
| Thurman, one year old | J. D. Carr | Salinas City | $5 00 |
| Pride, suckling colt | L. Callahan | Salinas City | $3 00 |
| GELDING. | | | |
| Combination | J. B. Iverson | Salinas City | $10 00 |
| MARES. | | | |
| Maud, four years old or over | P. Kilburn | Salinas City | $10 00 |
| Ina, three years old | H. Corey | Salinas City | $7 50 |
| Rose, one year old | P. Kilburn | Salinas City | $2 50 |
| Rosedale, four years old, with colt | H. Corey | Salinas City | $10 00 |
| DRAFT HORSES—STANDARD—STALLIONS. | | | |
| Paradise, four years old or over | James Storm | Salinas City | $15 00 |
| Colonel Lamar, two years old | M. Barry | Castroville | $7 50 |
| John, suckling colt | M. Lynn | Salinas City | $2 50 |
| DRAFT HORSES—GRADED. | | | |
| John L, four years old or over | M. C. Collins | Gonzales | $10 00 |
| Nellie, three years old | James Storm | Salinas City | $6 00 |
| Maggie, suckling colt | P. Kilburn | Salinas City | $2 50 |
| CARRIAGE HORSES. | | | |
| Ben and Levi, span of carriage horses | H. S. Ball | Salinas City | $10 00 |
| Jim and Jessie, span of buggy horses | James Storm | Salinas City | $7 50 |
| SWEEPSTAKES. | | | |
| Clarence King, stallion with four or more colts | H. Corey | Salinas City | $20 00 |
| Revere, stallion with four or more colts | James Storm | Salinas City | |
| Rosie, mare with four or more colts | H. Corey | Salinas City | $20 00 |
| Salinas Belle, mare with four or more colts | J. B. Iverson | Salinas City | |
| Nonpareil, stallion of any breed or age | James Storm | Salinas City | $15 00 |
| Glenwood, stallion of any breed or age | J. R. Hebbron | Salinas City | $7 50 |
| Maud, mare of any breed or age | P. Kilburn | Salinas City | $15 00 |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Lady Jones, mare of any breed or age | J. B. Iverson | Salinas City | $10 00 |
| Combination, gelding of any breed or age | J. B. Iverson | Salinas City | $10 00 |
| Aunty Wilkes, colt of any breed foaled in 1888 | P. Kilburn | Salinas City | $5 00 |
| CATTLE—DURHAM—BULLS. | | | |
| Gladstone, four years old or over | M. Williams | Salinas City | $10 00 |
| Prince Albert, four years old or over | H. Corey | Salinas City | $5 00 |
| Nick, two years old | John Sexton | Salinas City | $3 75 |
| Parnell, one year old | M. Lynn | Salinas City | $7 50 |
| 37th of Forest Home, one year old | M. Lynn | Salinas City | $5 00 |
| Maxwell Chief, calf | J. B. Smith | Salinas City | $5 00 |
| Grover Cleveland, calf | M. Williams | Salinas City | $3 00 |
| COWS. | | | |
| Forest Rose 8th, four years old or over | M. Lynn | Salinas City | $10 00 |
| Lorena, four years old or over | J. B. Smith | Salinas City | $5 00 |
| Nora 10th, three years old | M. Williams | Salinas City | $7 50 |
| Flora 7th, three years old | M. Williams | Salinas City | $5 00 |
| 16th Duchess of Gloster, two years old | P. Kilburn | Salinas City | $7 50 |
| Flora 8th, two years old | M. Lynn | Salinas City | $5 00 |
| Rosie, one year old | P. Kilburn | Salinas City | $5 00 |
| Forest Rose 11th, one year old | John Sexton | Salinas City | $3 00 |
| Lady Parnell, heifer calf | M. Lynn | Salinas City | $5 00 |
| Lady Ellen, heifer calf | M. Williams | Salinas City | $3 00 |
| GRADED CATTLE. | | | |
| Scotty, cow, three years old or over | James Storm | Salinas City | $10 00 |
| Young Nick, bull calf | James Storm | Salinas City | $5 00 |
| Best herd of cattle, one male and four females | M. Williams | Salinas City | $15 00 |
| Second best herd of cattle, one male and four females | M. Lynn | Salinas City | $10 00 |
| SWINE. | | | |
| Bismarck, boar | D. McKinnon | Salinas City | $5 00 |
| Lady Ellen, sow | Z. B. Smith | Salinas City | $5 00 |
| POULTRY. | | | |
| Pair of Black Spanish | Ira Rose | Salinas City | $1 00 |
| Pair of White Leghorns | Ira Rose | Salinas City | $1 00 |
| Pair of Brown Leghorns | Ira Rose | Salinas City | $1 00 |
| Pair of Irish Game | S. Matthews | Salinas City | $1 00 |
| Pair of Diamond Game | S. Matthews | Salinas City | $1 00 |
| Pair of Langshans | Ira Rose | Salinas City | $1 00 |
| Pair of Game Bantams | W. R. Ellis | Salinas City | $1 00 |

## MISCELLANEOUS DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Harrow | Z. N. Lacey | Salinas City | $5 00 |
| Sulky harrow | Z. N. Lacey | Salinas City | $5 00 |
| Two-seated spring wagon | Iverson Bros. | Salinas City | $5 00 |
| Blacksmith work | E. Maguire | Salinas City | $5 00 |
| Harness and saddlery work | M. Hughes | Salinas City | $7 50 |
| Set of team harness | M. Hughes | Salinas City | $5 00 |
| Buggy harness (single) | M. Hughes | Salinas City | $5 00 |
| Buggy harness (double) | M. Hughes | Salinas City | $5 00 |
| Lady's saddle | M. Hughes | Salinas City | $3 00 |
| Gentleman's saddle | M. Hughes | Salinas City | $3 00 |
| Rag carpet | Mrs. C. Hoffman | Salinas City | $2 00 |
| Set of parlor furniture | Francee & Burkman | Salinas City | $10 00 |
| Second best set of parlor furniture | Francee & Burkman | Salinas City | $5 00 |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Set of chamber furniture | Francee & Burkman | Salinas City | $5 00 |
| Spring mattresses | Francee & Burkman | Salinas City | $3 00 |
| Spring beds | Francee & Burkman | Salinas City | $3 00 |
| Upholstery | Francee & Burkman | Salinas City | $5 00 |
| General display of furniture | Francee & Burkman | Salinas City | $20 00 |
| Sack of wheat | S. O. Pugh | Gonzales | $3 00 |
| Sack of barley | W. Parsons | Gonzales | $2 00 |
| Sack of rye | J. B. Hickman | Cameron | $2 00 |
| Sack of corn | J. B. Hickman | Cameron | $2 00 |
| Exhibit of flaxseed | J. B. Hickman | Cameron | $2 00 |
| Exhibit of flax | J. B. Hickman | Cameron | $2 00 |
| Exhibit of corn | Thos. Watson | Corral de Tierra | $2 00 |
| Exhibit of ham | R. N. Windsor | Gonzales | $2 00 |
| Exhibit of bacon | R. N. Windsor | Gonzales | $2 00 |
| Exhibit of honey in comb | Ira Rose | Salinas City | $2 00 |
| Exhibit of two pounds of strained honey | J. B. Hickman | Cameron | $2 00 |
| Collection of garden seeds | J. B. Hickman | Cameron | $5 00 |
| Collection of garden products | J. B. Hickman | Cameron | $5 00 |
| Sack of dried beans | J. B. Hickman | Cameron | $2 00 |
| Melons | S. O. Pugh | Gonzales | $1 00 |
| Squashes | J. B. Hickman | Cameron | $1 00 |
| Twenty pounds of tomatoes | J. B. Hickman | Cameron | $1 00 |
| Sugar beets | Thos. Watson | Corral de Tierra | $1 00 |
| Peanuts | S. O. Pugh | Gonzales | $1 00 |
| General display of fruits | S. O. Pugh | Gonzales | $10 00 |
| Twelve varieties of apples | R. N. Windsor | Gonzales | $5 00 |
| Collection of pears | R. N. Windsor | Gonzales | $5 00 |
| Collection of peaches | Thos. Watson | Corral de Tierra | $3 50 |
| Collection of plums | R. N. Windsor | Gonzales | $3 50 |
| Collection of foreign grapes | S. O. Pugh | Gonzales | $3 50 |
| Collection of wine grapes | S. O. Pugh | Gonzales | $3 50 |
| Collection of nuts | Thos. Watson | Corral de Tierra | $3 50 |
| Exhibit of domestic canned fruit | Mrs. J. B. Hickman | Cameron | $5 00 |
| Exhibit of fruit sealed in glass | Mrs. W. L. Carpenter | Salinas City | $5 00 |
| Exhibit of sweet pickles | Mrs. J. B. Bennett | Salinas City | $2 00 |
| Exhibit of preserves | Mrs. W. L. Carpenter | Salinas City | $2 50 |
| Exhibit of jellies | Mrs. L. H. Garrigus | Salinas City | $2 50 |
| Exhibit of domestic dried fruit | Thos. Flint | San Juan | $3 00 |
| Exhibit of dried prunes and plums | Thos. Flint | San Juan | $2 00 |
| Exhibit of dried apples | Thos. Flint | San Juan | $2 00 |
| Exhibit of dried pears | Thos. Flint | San Juan | $2 00 |
| Exhibit of dried apricots | Thos. Flint | San Juan | $2 00 |
| Exhibit of dried peaches | Thos. Flint | San Juan | $2 00 |
| Collection of flowers in bloom | Mrs. S. Dixon | Salinas City | $5 00 |
| Collection of foliage plants | Mrs. S. Dixon | Salinas City | $5 00 |
| Display of cut flowers | J. B. Hickman | Cameron | $2 50 |
| Collection of new and rare plants | Mrs. S. Dixon | Salinas City | $2 50 |
| Collection of fuchsias in bloom | Mrs. S. Dixon | Salinas City | $1 00 |
| Collection of dahlias | Mrs. S. Dixon | Salinas City | $2 00 |
| Collection of roses in bloom | Mrs. S. Dixon | Salinas City | $2 00 |
| Collection of tuberoses | Mrs. P. Zaballa | Salinas City | $1 00 |
| Collection of pinks | Percy Hickman | Cameron | $1 00 |
| Collection of ferns | Mrs. P. Zaballa | Salinas City | $1 00 |
| Exhibit of wines and liquors | M. Cartier | Salinas City | $10 00 |
| Exhibit of mineral specimens | J. B. Hickman | Cameron | $5 00 |
| Exhibit of shells | Mrs. P. Zaballa | Salinas City | $2 50 |
| Exhibit of flour | Central Milling Co. | Salinas City | $5 00 |
| Exhibit of cheese | E. Rossi | Salinas City | $5 00 |
| Exhibit of butter | Chas. Reynolds | Salinas City | $5 00 |
| Exhibit of pastry | Pearl Birlem | Salinas City | $1 00 |
| Exhibit of three kinds of cake | Mrs. L. H. Garrigus | Salinas City | $1 00 |
| Exhibit of home-made bread | Pearl Birlem | Salinas City | $4 00 |
| Second best | Lena Morehouse | Salinas City | $2 00 |
| Cambric embroidery | Mrs. P. Kilburn | Salinas City | $1 50 |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Article in crewel | Miss R. Littlefield | Salinas City | $1 50 |
| Article in filoselle | Mrs. J. B. Bennett | Salinas City | $2 00 |
| Article embroidered on plush | Mrs. H. S. Ball | Salinas City | $2 00 |
| Tapestry embroidery | Sophia Brown | Salinas City | $2 00 |
| Applique embroidery | Mrs. P. Kilburn | Salinas City | $2 00 |
| Outline embroidery | Mrs. J. Martin | San Ardo | $1 50 |
| Article chenille | Mrs. J. B. Bennett | Salinas City | $2 50 |
| Raised silk work | Mrs. J. B. Bennett | Salinas City | $2 50 |
| Embroidered piano cover | Mrs. H. S. Ball | Salinas City | $4 00 |
| Embroidered table scarf | Mrs. M. Lynn | Salinas City | $2 00 |
| Embroidered table lambrequin | Miss E. Littlefield | Salinas City | $2 00 |
| Embroidered sofa pillow | Miss E. Littlefield | Salinas City | $2 00 |
| Embroidered wall panel | Mrs. H. S. Ball | Salinas City | $1 50 |
| Embroidered ottoman | C. L. Simpson | Salinas City | $1 50 |
| Article of braiding | Mrs. J. B. Smith | Salinas City | $1 50 |
| Couching embroidery | Mrs. H. S. Ball | Salinas City | $1 50 |
| Fine lace work | Miss E. Littlefield | Salinas City | $2 00 |
| Modern point lace | Mrs. S. Lean | Salinas City | $3 00 |
| Article of Spanish work | Mrs. P. Leballa | Salinas City | $3 00 |
| Darned tulle | Miss E. Littlefield | Salinas City | $1 50 |
| Bead work | Mrs. J. B. Bennett | Salinas City | $1 50 |
| Crazy bedquilt | Mrs. J. B. Bennett | Salinas City | $2 00 |
| Silk patchwork bedquilt | Mrs. H. Corey | Salinas City | $2 00 |
| Cotton patchwork bedquilt | Mrs. L. H. Garrigus | Salinas City | $2 00 |
| Crochet bedquilt | Mrs. J. Martin | San Ardo | $2 00 |
| Wax work | Mrs. J. P. Birlem | Salinas City | $1 00 |
| Feather work | Miss E. Littlefield | Salinas City | $1 50 |
| Paper flowers | Mrs. P. Kilburn | Salinas City | $1 50 |
| Dried grasses and flowers | Mrs. J. B. Hickman | Salinas City | $1 00 |
| Crochet cotton tidy | Mrs. J. B. Bennett | Salinas City | $1 00 |
| Crochet worsted tidy | Mrs. J. B. Smith | Salinas City | $1 00 |
| Macreme work | Mrs. J. B. Bennett | Salinas City | $1 00 |
| Lambrequin in seine twine | Mrs. L. H. Garrigus | Salinas City | $1 00 |
| Buggy afghan | Bertha Wilcoxen | Salinas City | $1 50 |
| Embroidered tidy | Mrs. J. B. Bennett | Salinas City | $1 00 |
| Plain hemstitching | Mrs. H. S. Ball | Salinas City | $1 00 |
| Painted table scarf | Mrs. V. Black | Salinas City | $1 00 |
| Sign painting | Francee & Burkman | Salinas City | $5 00 |
| Carriage painting | J. P. Thomson | Salinas City | $5 00 |
| Design of dairy-house | J. B. Hickman | Salinas City | $2 50 |
| Design of granary | J. B. Hickman | Salinas City | $2 50 |
| Original oil painting | Mrs. H. S. Ball | Salinas City | $2 50 |
| Original oil painting from nature | Mrs. J. B. Short | Salinas City | $2 50 |
| Copy of oil painting | Mrs. H. S. Ball | Salinas City | $2 00 |
| Original crayon drawing | Mrs. J. B. Short | Salinas City | $2 00 |
| Copy of original crayon drawing | Mrs. J. B. Short | Salinas City | $2 00 |
| Original pencil drawing | Mrs. J. B. Short | Salinas City | $2 00 |
| Kensington drawing | Mrs. V. Black | Salinas City | $2 00 |
| Oil painting in flowers | Mrs. H. S. Ball | Salinas City | $2 00 |
| Hand-painted china | Mrs. L. H. Garrigus | Salinas City | $2 00 |
| Specimen of penmanship | Pearl Birlem | Salinas City | $3 00 |
| Exhibit of silverware | Mrs. J. P. Birlem | Salinas City | $5 00 |
| Exhibit of cutlery | E. K. Abbott | Salinas City | $2 50 |
| Exhibit of photography | J. Ed. Bacon | Salinas City | $20 00 |

# SPEED PROGRAMME.

TUESDAY, OCTOBER 2, 1888.

RACE NO. 1—TROTTING.

Two-year-old Colt Stake for 1888. Fifty dollars stake; one hundred dollars added by Association.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Robert Lee, by Kingston | Wm. Vanderhurst | Salinas City. |
| Bay Clem, by Starr King | C. C. Allen | Salinas City. |
| Sorrel Charley, by Kingston | Charles Luse | Salinas City. |
| Daisy R, by Irwin Davis | H. P. Brown | Salinas City. |

SUMMARY.

| | |
|---|---|
| Bay Clem | 1 |
| Robert Lee | 2 |
| Daisy R | 3 |
| Sorrel Charley | 4 |

*Time*—3:00; 2:52.

RACE NO. 2—RUNNING.

For all horses owned in the district. Purse, one hundred and fifty dollars. Three-quarter mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Katie C, by Kingston | Cavanagh Bros. | Chualar. |
| Lady R, by Wildidle | P. Collins | Gonzales. |
| Daisy D, by Wheatly | R. B. Cockerill | Salinas City. |
| Roundout, by Kingston | M. P. Kelly | Gonzales. |

SUMMARY.

| | |
|---|---|
| Daisy D | 1 |
| Lady R | 2 |
| Roundout | 3 |
| Katie C | 4 |

*Time*—1:19; 1:21.

RACE NO. 3—TROTTING.

Special. For named horses. Purse, one hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Charley V, by Carr's Mambrino | Wm. Vanderhurst | Salinas City. |
| Billy Baxter, by Tom Vernon | M. J. Smeltzer | Salinas City. |
| Fred Grant, by General Grant | R. S. R. Clayton | Priest Valley. |

SUMMARY.

Billy Baxter ..... 1
Charley V ..... 2
Fred Grant ..... 3

*Time*—2:43¾; 2:44¾; 2:43; 2:45; 2:44½; 2:41.

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WEDNESDAY, OCTOBER 3, 1888.

RACE NO. 4—TROTTING.

For named stallions. Purse, two hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Junio, by Electioneer | A. Gonzales | San Francisco. |
| Billy Matthews, by George M. Patchen | J. G. Sanchez | San Juan. |
| Jim L, by Dan Voorhees | J. A. Linscott | Watsonville. |

SUMMARY.

Jim L ..... 1
Junio ..... 2
Billy Matthews ..... 3

*Time*—2:24; 2:24½; 2:25; 2:26; 2:27.

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RACE NO. 5—RUNNING.

For all two-year olds in the district. Purse, one hundred dollars. One half-mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Essie C | J. Bardin | Salinas City. |
| Pirate | R. V. Cavanagh | Chualar. |

SUMMARY.

Pirate ..... 1
Essie C ..... 2

*Time*—0:52.

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THURSDAY, OCTOBER 4, 1888.

RACE NO. 6—TROTTING.

For all two-year olds in the district. Pure, one hundred and fifty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy R, by Irwin Davis | H. P. Brown | Salinas City. |
| Robert Lee, by Kingston | Wm. Vanderhurst | Salinas City. |
| Bertha, by Carr's Mambrino | J. D. Carr | Salinas City. |
| Lady St. Clair, by Irwin Davis | P. M. Jacks | Salinas City. |
| Joe, by Junio | A. Gonzales | Salinas City. |

SUMMARY.

| | |
|---|---|
| Joe | 1 |
| Robert Lee | 2 |
| Bertha | 3 |
| Daisy R | 4 |

*Time*—3:13; 3:03; 3:06.

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RACE NO. 7—RUNNING.

Special. For named horses. Purse, one hundred and fifty dollars. Five-eighth mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Charley Luce, by Kingston | Jas. Dwain | Salinas City. |
| Billy M, by Orphan Boy | E. J. Mann | Watsonville. |
| Dashaway, by Wildidle | Thos. Hoadley | Soledad. |
| Roundout, by Kingston | M. P. Kelly | Gonzales. |
| Katie C, by Kingston | Cavanagh Bros. | Chualar. |

SUMMARY.

| | |
|---|---|
| Katie C | 1 |
| Dashaway | 2 |
| Roundout | 3 |
| Charley Luce | 4 |

*Time*—1:06; 1:06; 1:06½.

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RACE NO. 8—TROTTING.

Free for all. Purse, two hundred and fifty dollars. Two-mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosewald, by A. W. Richmond | H. Delaney | Santa Barbara. |
| Flora G, by Altoona | T. McCartney | Salinas City. |
| Field Grover, by Index | J. Dwain | Salinas City. |
| Manzanita, by Elmo | J. McIntyre | Salinas City. |

SUMMARY.

| | |
|---|---|
| Flora G | 1 |
| Rosewald | 2 |
| Manzanita | 3 |
| Field Grover | 4 |

*Time*—5:11; 5:09; 5:14; 5:05¾.

FRIDAY, OCTOBER 5, 1888.

RACE NO. 9—TROTTING.

Special, for named horses. Purse, one hundred and fifty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sorrel Jimmy, by Benton | Bullene Bros. | Salinas City. |
| Jim, sire unknown | A. C. Wood | Watsonville. |
| Lady Lightfoot, sire unknown | W. J. Lynn | Salinas City. |
| Fred Grant, by General Grant | R. S. R. Clayton | Priest Valley. |

SUMMARY.

| | |
|---|---|
| Fred Grant | 1 |
| Sorrel Jimmy | 2 |
| Lady Lightfoot | 3 |
| Jim | 4 |

*Time*—2:47; 2:48; 2:49½; 2:46½; 2:46.

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RACE NO. 10—RUNNING.

For named horses. Purse, one hundred dollars. Half-mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Johnnie I, by Oliver Cromwell | A. Innes | Santa Cruz. |
| Lady R, by Wildidle | P. Collins | Gonzales. |
| Nerva, sire unknown | Al. Farrow | San José. |

SUMMARY.

| | |
|---|---|
| Nerva | 1 |
| Johnnie I | 2 |
| Lady R | 3 |

*Time*—0:49½; 0:49¾.

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SATURDAY, OCTOBER 6, 1888.

RACE NO. 11—RUNNING.

Novelty running race. Purse, one hundred and fifty dollars. One and one quarter miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Humboldt Joe, sire unknown | Marquehasse Bros. | Lone Oak. |
| Lady R, by Wildidle | P. Collins | Gonzales. |
| Johnnie I, by Oliver Cromwell | A. Innes | Santa Cruz. |
| Midnight, sire unknown | W. Jeter | Santa Cruz. |

SUMMARY.

| | |
|---|---|
| Lady R | 1 |
| Johnnie I | 2 |
| Humboldt Joe | 3 |

*Time*—2:25.

RACE No. 12—TROTTING.

Free for all. Purse, two hundred and fifty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Flora G, by Altoona | E. Graves | San Luis Obispo. |
| Field Grover, by Index | J. Dwain | Salinas City. |
| Maud H, by Carr's Mambrino | J. H. Harris | Salinas City. |
| Billy Matthews, by George M. Patchen | J. G. Sanchez | San Juan. |
| Rosewald, by A. W. Richmond | H. Delaney | Santa Barbara. |

SUMMARY.

| | |
|---|---|
| Flora G | 1 |
| Rosewald | 2 |
| Maud H | 3 |
| Field Grover | 4 |

*Time*—2:36½; 2:34; 2:35½; 2:37; 2:35½; 2:36¼.

# TRANSACTIONS

OF THE

# EIGHTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the County of El Dorado.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| THOMAS FRASER | President. |
| W. H. H. FELLOWS | Secretary. |
| JAMES BLAIR | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| THOMAS FRASER | Placerville, El Dorado County. |
| E. A. BOLES | Placerville, El Dorado County. |
| J. C. MARSH | Placerville, El Dorado County. |
| R. ALDERSON, Jr. | Placerville, El Dorado County. |
| SHELLEY INCH | Placerville, El Dorado County. |
| J. P. ALLEN | Placerville, El Dorado County. |
| ALBERT NORRIS | Pleasant Valley, El Dorado County. |
| A. T. LEACHMAN | Salmon Falls, El Dorado County. |

# REPORT.

PLACERVILLE, November 10, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Eighth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. H. H. FELLOWS, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From donations and privileges | $928 10 | |
| Pavilion receipts (tickets) | 485 25 | |
| Park receipts (tickets) | 305 75 | |
| Race entries | 302 50 | |
| Hack badges, etc. | 47 50 | |
| Ball, mill, and Shelley Inch | 74 75 | |
| Money advanced by Thomas Fraser and James Blair, to pay premiums | 1,200 00 | |
| | | $3,343 85 |

*Expenditures.*

| | | |
|---|---|---|
| Printing | $193 40 | |
| Stationery, expressage, and postage | 23 30 | |
| Labor, merchandise, and water for park | 291 06 | |
| Salaries | 348 20 | |
| Music, hauling, etc. | 196 49 | |
| Rent of Sigwartz's Hall | 125 00 | |
| C. Crippin, hauling (pavilion) | 3 34 | |
| Race money refunded | 78 00 | |
| Race purses paid, from No. 1 to No. 8, inclusive | 1,115 00 | |
| Special saddle race | 25 00 | |
| Monitor Baseball Club | 50 00 | |
| O'Donnell Baseball Club | 50 00 | |
| Taxes and interest | 57 46 | |
| Premiums paid | 787 60 | |
| | | $3,343 85 |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Stallion, one year old | Martin Minster | Pleasant Valley | $4 00 |
| Stallion, three years old | J. J. Miller | Placerville | $8 00 |
| CLASS IV. | | | |
| Horses of all work | J. A. Blakely | Placerville | $4 00 |
| Horses of all work | A. Joy | Placerville | $8 00 |
| CLASS VI. | | | |
| Saddle horse | G. A. Blakely | Placerville | $2 00 |
| CLASS VII. | | | |
| Mare, three years old | T. Carter | Placerville | $6 00 |
| CLASS X. | | | |
| Jersey bull, three years old | Carter & Clark | Placerville | $12 00 |
| Durham bull, three years old | G. A. Blakely | Placerville | $12 00 |
| Bull calf, one year old | John Askew | El Dorado | $4 00 |
| Bull calf, under one year old | James Askew | El Dorado | $2 00 |
| Jersey cow | John Askew | El Dorado | $8 00 |
| Jersey heifer, one year old | John Askew | El Dorado | $4 00 |
| Jersey heifer, under one year old | James Askew | El Dorado | $2 00 |
| Cow, three years old | James Askew | El Dorado | $12 00 |
| Bull, under one year old | James Askew | El Dorado | $2 00 |
| CLASS XI. | | | |
| Jersey bull and family | James Askew | El Dorado | $12 00 |
| CLASS XII. | | | |
| Susie, cow | D. Clark | Placerville | $6 00 |
| Dolly, cow | James Askew | El Dorado | $8 00 |
| CLASS XIII. | | | |
| Ram | J. Askew | El Dorado | $8 00 |
| O. D. ram | J. Askew | El Dorado | $4 00 |
| Pair of ewes | J. Askew | El Dorado | $6 00 |
| CLASS XVI. | | | |
| Plymouth Rocks | T. Clifton | Placerville | $2 00 |
| White Leghorns | T. Clifton | Placerville | $2 00 |
| Game chickens | T. Clifton | Placerville | $1 60 |
| Black Spanish | T. Clifton | Placerville | $1 60 |
| White Crested ducks | T. Clifton | Placerville | $1 60 |
| Bremen geese | T. Clifton | Placerville | $1 60 |
| Best and largest collection of poultry | T. Clifton | Placerville | $5 00 |
| Partridge Cochins | N. J. McCumsey | Placerville | $1 60 |
| Toulouse geese | N. J. McCumsey | Placerville | $1 60 |
| Black Leghorns | J. Askew | El Dorado | $1 60 |
| Brown Leghorns | J. Askew | El Dorado | $2 00 |
| Game Bantams | Carl Crippin | Placerville | $2 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best display of machinery | H. S. Morey | Placerville | $5 00 |
| CLASS II. | | | |
| Windmill | Weatherwax & Morey | Placerville | Diploma. |
| CLASS III. | | | |
| Best two-horse wagon | N. Wonderley | Placerville | $8 00 |
| Best two-horse wagon | N. Wonderley | Placerville | $8 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II. | | | |
| Best hand-made horseshoe | John Martin | Placerville | Dip. & $4 |
| Best dynamo electric machine | J. C. Bartlett | Placerville | Dip. |
| Best cook stove | Weatherwax & Morey | Placerville | and $2 50 Diploma. |
| Best kitchen ware | Weatherwax & Morey | Placerville | $3 00 |
| CLASS IV. | | | |
| Best roof slate and work | C. P. H. Buck | Placerville | $5 00 |
| Best soft soap | Wm. Hendrix | Placerville | $2 00 |
| Best slate roofing | G. J. Mothersole | Placerville | Dip. & $2 |
| CLASS V. | | | |
| Best exhibit millinery | Mrs. I. B. Thomas | Placerville | Dip. |
| Best exhibit silver and queensware | Weatherwax & Morey | Placerville | and $7 50 Dip. |
| Best exhibit table cutlery | Weatherwax & Morey | Placerville | and $2 50 $2 50 |
| Best exhibit tools and hardware | Weatherwax & Morey | Placerville | $5 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best twenty-five pounds rye | G. L. Blakeley | Placerville | $3 00 |
| Best twenty-five pounds barley | G. L. Blakeley | Placerville | $4 00 |
| Best twenty-five pounds oats | C. H. McCuen, Jr. | Placerville | $3 00 |
| Best twenty-five pounds corn | C. H. McCuen, Jr. | Placerville | $3 00 |
| Best twenty-five pounds flax | C. H. McCuen, Jr. | Placerville | $2 50 |
| Best twenty-five pounds hemp | C. H. McCuen, Jr. | Placerville | $2 50 |
| Second best oats | J. Askew | El Dorado | $1 50 |
| Best twenty-five pounds wheat | P. Kramp | Diamond Spr'gs | $4 00 |
| Best flour | Chas. Sibeck | Placerville | $4 80 |
| Second best wheat | C. H. McCuen, Jr. | Placerville | $2 00 |
| CLASS II. | | | |
| Second best onions | Peter Wilkerson | Placerville | $1 50 |
| Best Indian corn on stalk | C. H. McCuen, Jr. | Placerville | $3 00 |
| Best broom corn on stalk | C. H. McCuen, Jr. | Placerville | $2 00 |
| Best pop corn on stalk | C. H. McCuen, Jr. | Placerville | $2 00 |
| Best potatoes | C. H. McCuen, Jr. | Placerville | $4 00 |
| Best parsnips | C. H. McCuen, Jr. | Placerville | $1 50 |
| Largest squash | C. H. McCuen, Jr. | Placerville | $1 50 |
| Best twenty-five pounds Bayo beans | C. H. McCuen, Jr. | Placerville | $1 50 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best exhibit garden seeds | C. H. McCuen, Jr. | Placerville | $2 50 |
| Best exhibit sweet corn on stalk | A. S. Cook | Placerville | $3 00 |
| Best exhibit garden seeds | J. Askew | El Dorado | $5 00 |
| Best exhibit potatoes | George Van Vleck | El Dorado | $6 00 |
| Best exhibit stock beets | George Van Vleck | El Dorado | $1 50 |
| Best exhibit stock carrots | George Van Vleck | El Dorado | $1 50 |
| Best exhibit cabbage | J. P. Allen | Placerville | $3 00 |
| Largest cabbage | J. P. Allen | Placerville | $1 50 |
| Third best display potatoes | P. Kramp | Diamond Spr'gs | $2 50 |
| Best onions | P. Kramp | Diamond Spr'gs | $3 00 |
| Best cucumbers | J. C. Marsh | Placerville | $1 50 |
| Best peppers | J. C. Marsh | Placerville | $1 00 |
| Best table beets | P. Kramp | Diamond Spr'gs | $1 50 |
| Best watermelons | J. Lyon | Placerville | $2 50 |
| Largest watermelon | J. Lyon | Placerville | $1 00 |
| Best white beans | J. Lyon | Placerville | $1 50 |
| Best exhibit of squash | J. Lyon | Placerville | $1 50 |
| Best sweet potatoes | J. Lyon | Placerville | $2 50 |
| Best tomatoes | J. Lyon | Placerville | $3 00 |
| Best three muskmelons | P. Kramp | Diamond Spr'gs | $1 50 |
| Best exhibit of garden vegetables | J. Lyon | Placerville | $5 00 |
| CLASS III. | | | |
| Sunflowers | Peter Wilkerson | Placerville | $1 00 |
| Ferns | Miss J. J. Crawford | Placerville | $2 00 |
| Flowering plants in bloom | Miss Annie Tindall | Placerville | $6 00 |
| Cut flowers | Miss Annie Tindall | Placerville | $1 60 |
| Bouquet of cut flowers | Miss Annie Tindall | Placerville | $1 60 |
| Handsomest floral design | Miss Annie Tindall | Placerville | $2 40 |
| Ornamental grasses | Mrs. J. J. Crawford | Placerville | $2 00 |
| Third best flowering plants in bloom | Mrs. W. H. H. Fellows | Placerville | $3 00 |
| Ornamental foliage plants | Mrs. W. H. H. Fellows | Placerville | $6 00 |
| Second best flowering plants in bloom | John Waters | Placerville | $4 00 |
| Second best ornamental foliage plants | John Waters | Placerville | $3 00 |
| Hanging basket plants | John Waters | Placerville | $2 00 |
| Cut flowers | Mrs. W. H. H. Fellows | Placerville | Sp. men. |
| CLASS IV. | | | |
| Second best lard | Wm. Hendrix | Placerville | $1 50 |
| Best roll of butter | John Askew | El Dorado | $5 00 |
| Best lard | Mrs. P. Kramp | Diamond Spr'gs | $2 00 |
| Second best butter in rolls | Jas. Askew | El Dorado | $2 50 |
| Best pickled butter | Jas. Askew | El Dorado | $4 00 |
| CLASS V. | | | |
| Best graham bread | Gertie Fraser | Placerville | $1 50 |
| Best wheat bread | Mrs. A. J. Lowery | Placerville | $3 00 |
| Second best wheat bread | Mrs. J. Maynard | Placerville | $1 50 |
| Best biscuits | Mrs. J. Maynard | Placerville | $1 50 |
| Best rye bread | Mrs. P. Kramp | Diamond Spr'gs | $1 50 |
| Best brown bread | Mrs. P. Kramp | Diamond Spr'gs | $1 50 |
| Best corn bread | Hattie Gardiner | Placerville | $1 50 |
| Best and largest variety of bread | Hattie Gardiner | Placerville | $3 00 |
| Fruit and pound cake | Geo. Hilbert | Placerville | Diploma and $2 50 |

# FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Second best wine grapes | I. S. Bamber | Placerville | $4 00 |
| Second best table grapes | I. S. Bamber | Placerville | $4 00 |
| Third best apples | I. S. Bamber | Placerville | $4 50 |
| Best pears | I. S. Bamber | Placerville | $7 50 |
| Third best prunes | I. S. Bamber | Placerville | $3 00 |
| Best figs | I. S. Bamber | Placerville | $5 00 |
| Second best apples | S. Weymouth | Placerville | $6 00 |
| Second best plums | S. Weymouth | Placerville | $6 00 |
| Second best pears | C. H. McCuen, Jr. | Placerville | $6 00 |
| Fourth best pears | C. H. McCuen, Jr. | Placerville | $3 00 |
| Fourth best plums | A. S. Cook | Placerville | $3 00 |
| Second best figs | A. S. Cook | Placerville | $3 50 |
| Third best peaches | Wm. Hendrix | Placerville | $4 50. |
| Fourth best peaches | John Askew | Placerville | $3 00 |
| Fourth best apples | W. D. Carpenter | Diamond Spr'gs. | $3 00 |
| Second best peaches | W. D. Carpenter | Diamond Spr'gs. | $6 00 |
| Best plums | W. D. Carpenter | Diamond Spr'gs. | $7 50 |
| Second best prunes | P. Kramp | Diamond Spr'gs. | $4 50 |
| Best wine grapes | P. Kramp | Diamond Spr'gs. | $5 00 |
| Best table grapes | T. O. Hardie | Placerville | $5 00 |
| Best general display of grapes | T. O. Hardie | Placerville | $7 50 |
| Third best pears | Jacob Lyon | Placerville | $4 50 |
| Second best nectarines | Jacob Lyon | Placerville | $2 50 |
| Third best plums | S. R. Tripp | Placerville | $4 50 |
| Best prunes | Thomas Fraser | Placerville | $7 50 |
| Best apples | J. C. Marsh | Placerville | $7 50 |
| Best nectarines | J. C. Marsh | Placerville | $5 00 |
| Best peaches | J. C. Marsh | Placerville | $7 50 |
| Blackberries | John Waters | Placerville | $1 00 |
| Raspberries | P. Kramp | Diamond Spr'gs. | $1 00 |
| CLASS II. | | | |
| Second best dried apricots | I. S. Bamber | Placerville | $1 50 |
| Second best dried pears | I. S. Bamber | Placerville | $2 00 |
| Best dried apples | I. S. Bamber | Placerville | $3 00 |
| Best dried plums | I. S. Bamber | Placerville | $3 00 |
| Best dried figs | I. S. Bamber | Placerville | $2 50 |
| Best dried berries | I. S. Bamber | Placerville | $3 00 |
| Second best dried raisins | I. S. Bamber | Placerville | $4 00 |
| Second best dried peaches | Schmidt Bros. | Placerville | $2 00 |
| Best American chestnuts | S. Weymouth | Placerville | $2 00 |
| Second best dried berries | C. H. McCuen, Jr. | Placerville | $1 50 |
| Best and largest display of dried fruit | C. H. McCuen, Jr. | Placerville | $6 00 |
| Best dried nectarines | A. S. Cook | Placerville | $3 00 |
| Second best dried prunes | A. S. Cook | Placerville | $2 00 |
| Best Italian chestnuts | Wm. Hendrix | Placerville | $2 00 |
| Best English walnuts | A. Edinger | Placerville | $2 00 |
| Best soft-shell almonds | A. Koch | Placerville | $2 00 |
| Best evaporated apples | W. D. Carpenter | Diamond Spr'gs. | $2 40 |
| Best evaporated apricots | W. D. Carpenter | Diamond Spr'gs. | $2 40 |
| Best black walnuts | W. D. Carpenter | Diamond Spr'gs. | $2 00 |
| Best sun-dried plums | W. D. Carpenter | Diamond Spr'gs. | $3 00 |
| Second best sun-dried figs | W. D. Carpenter | Diamond Spr'gs. | $1 50 |
| Second best nectarines | W. D. Carpenter | Diamond Spr'gs. | $1 50 |
| Second best sun-dried apples | W. D. Carpenter | Diamond Spr'gs. | $2 00 |
| Second best sun-dried pears | W. D. Carpenter | Diamond Spr'gs. | $2 00 |
| Best sun-dried prunes | W. D. Carpenter | Diamond Spr'gs. | $3 00 |
| Best exhibit and quality of raisins | T. O. Hardie | Placerville | $6 00 |
| Best seedless raisins | T. O. Hardie | Placerville | $4 00 |
| Best dried peaches | C. H. McCuen, Jr. | Placerville | $3 00 |
| Best dried pears | C. H. McCuen, Jr. | Placerville | $3 00 |
| Second best dried plums | C. H. McCuen, Jr. | Placerville | $2 00 |
| Best dried egg plums | C. H. McCuen, Jr. | Placerville | $3 00 |
| CLASS III. | | | |
| Best fruit in glass | Mrs. I. S. Bamber | Placerville | $4 00 |
| Best preserves | Mrs. I. S. Bamber | Placerville | $4 00 |
| Best jellies | Mrs. I. S. Bamber | Placerville | $4 00 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best pickles | Mrs. John Askew | El Dorado | $2 00 |
| Second best jams | Miss L. Campini | Placerville | $3 00 |
| Second best pickles | Miss L. Campini | Placerville | $3 00 |
| Second best preserves | Miss L. Campini | Placerville | $3 00 |
| Second best fruit in glass | W. D. Carpenter | Diamond Spr'gs | $3 00 |
| Second best jellies | Mrs. W. H. H. Fellows | Placerville | $3 00 |
| Second best jams | Mrs. W. H. H. Fellows | Placerville | $4 00 |
| Strained honey | S. L. Watkins | Placerville | $1 50 |
| Honey in comb | S. L. Watkins | Placerville | $1 60 |
| Best and largest display of fruit in glass | Mrs. I. S. Bamber | Placerville | $3 50 |
| CLASS IV. | | | |
| Claret wines | A. Koch | Placerville | $3 00 |
| White wines | A. Koch | Placerville | $3 00 |
| Grape brandy | A. Koch | Placerville | $4 00 |
| Apple brandy | P. Kramp | Diamond Spr'gs | $3 00 |
| Sweet wine | P. Kramp | Diamond Spr'gs | $3 00 |
| Port wine | P. Kramp | Diamond Spr'gs | $3 00 |
| Sherry wine | P. Kramp | Diamond Spr'gs | $3 00 |
| Champagne | P. Kramp | Diamond Spr'gs | $3 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best outline apron | Mrs. H. Gardiner | Pleasant Valley | $1 60 |
| Best crochet skirt | Mrs. H. Gardiner | Pleasant Valley | $3 00 |
| Best crochet sofa pillow | Mrs. H. Gardiner | Pleasant Valley | $1 60 |
| Handsomest display | Mrs. H. Gardiner | Pleasant Valley | $1 60 |
| Best crochet shawl | Mrs. H. Gardiner | Pleasant Valley | $3 00 |
| Paper flowers, display | Mrs. H. Gardiner | Pleasant Valley | $2 00 |
| Largest and meritorious display | Mrs. H. Gardiner | Pleasant Valley | $6 00 |
| Best embroidered handkerchief | Miss Susie Staples | Log Town | $1 50 |
| Best undervest | Mrs. M. E. Laverty | Placerville | $1 20 |
| Best silk stockings | Mrs. M. E. Laverty | Placerville | $1 60 |
| Best embroidered table scarf | Mrs. W. W. Stone | Placerville | $3 50 |
| Best crazy quilt | Miss Mary Hunger | Placerville | $4 00 |
| Best crochet spread | Miss Carrie Hunger | Placerville | $3 50 |
| Best toilet set | Miss Maggie Fraser | Placerville | $2 80 |
| Best crochet tidy | Miss Maggie Fraser | Placerville | $1 50 |
| Best fine lace work | Miss Nina Lezatte | Placerville | $2 50 |
| Best silk embroidery | Mrs. J. J. Crawford | Placerville | $3 20 |
| Best embroidered banner | Mrs. J. J. Crawford | Placerville | $2 80 |
| Best ribbon work | Mrs. J. J. Crawford | Placerville | $2 00 |
| Best applique embroidery | Mrs. J. J. Crawford | Placerville | $2 00 |
| Best chenille embroidery | Mrs. J. J. Crawford | Placerville | $2 00 |
| Handsomest ornamental panels | Mrs. J. J. Crawford | Placerville | $3 50 |
| Best display of kensington work | Mrs. J. J. Crawford | Placerville | $3 50 |
| Handsomest lambrequin | Mrs. W. W. Stone | Placerville | $1 80 |
| Best display of ladies' underwear | Mrs. John Askew | Mud Springs | $4 00 |
| Best patchwork quilt | Mrs. John Kerk | Placerville | $2 50 |
| Best knit bedspread | Mrs. J. O'Donnell | Placerville | $2 40 |
| Handsomest pillow shams | Mrs. T. O. Hardie | Placerville | $2 40 |
| Best display of infants' clothing | Miss Rena Barlow | Placerville | $3 20 |
| Best home-made dress | Miss Rena Barlow | Placerville | $3 50 |
| | Miss Alice Kies | Shasta | Sp. men. |
| CLASS II—JUVENILE. | | | |
| Best braid work | Nanille Turman | Placerville | $2 50 |
| Best crochet lace | Addie Fellows | Placerville | $2 00 |
| Best silk embroidery | Mattie Williams | Placerville | $2 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Second best animal, in oil | Miss Susie Staples | El Dorado | $3 00 |
| Best animal, in oil | Mrs. Dedman | Placerville | $5 00 |
| Best collection of oil paintings* | Mrs. Dedman | Placerville | $4 00 |
| CLASS II—DRAWINGS. | | | |
| Best pastel | Miss Susie Staples | El Dorado | $2 40 |
| Best crayon drawing | Lulu Weatherwax | Placerville | $1 60 |
| CLASS III—PAINTINGS FOR ADULTS. | | | |
| Best water color paintings | Miss Susie Staples | El Dorado | $2 50 |
| Best oil painting (original) | Mrs. Dedman | Placerville | $4 00 |
| CLASS IV—JUVENILE. | | | |
| Best landscape drawing, in crayon | Lulu Weatherwax | Placerville | $2 00 |
| Best animal drawing | Lulu Weatherwax | Placerville | $2 00 |
| Best animal, in pencil | Lulu Weatherwax | Placerville | $1 20 |
| Best landscape, in pencil | Lulu Weatherwax | Placerville | $1 20 |
| MISCELLANEOUS. | | | |
| Penmanship | Stockton Bus. Col. | Stockton | Diploma. |
| SPECIAL MENTION—FRUITS AND VEGETABLES. | | | |
| Exhibit of fruit | Reed & Watkins | Placerville | Diploma. |
| Peaches and grapes | J. W. Dench | Placerville | Diploma. |
| Squashes | J. Wentz | El Dorado | Sp. prem. and $1 50 |
| Vegetables | W. S. Ferguson | Grizzly Flat | Sp. men. |
| Pepper plants | Mrs. J. C. March | Placerville | Sp. men. |
| Vegetables | Reed & Watkins | Placerville | Diploma. |

* Special mention and diploma.

# SPEED PROGRAMME.

TUESDAY, AUGUST 21, 1888.

RACE No. 1—RUNNING.

Free for all. Purse, one hundred and fifty dollars. Entrance, fifteen dollars. Five eighths and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Painkiller, by Joe Hooker | Hi. Barton | Latrobe. |
| Maggie D, by Tim Douglass | D. Dennison | Sacramento. |
| Minnie R, unknown | E. Flitner | Ione. |

SUMMARY.

| | |
|---|---|
| Minnie R | 1 |
| Painkiller | 2 |
| Maggie D | 3 |

*Time*—1:06½; 1:07.

RACE No. 2—RUNNING.

Purse, one hundred dollars. Entrance, ten dollars. Six hundred yards.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Minnie B, by Leinster | Hi. Barton | Latrobe. |
| Norton, unknown | E. Flitner | Ione. |
| Barney G, unknown | U. S. Gregory | Ione. |

SUMMARY.

| | |
|---|---|
| Barney G | 1 |
| Norton | 2 |
| Minnie B | 3 |

*Time*—0:34.

WEDNESDAY, AUGUST 22, 1888.

RACE No. 3—RUNNING.

Free for all. Purse, three hundred dollars. Entrance, thirty dollars. Three quarters of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Minnie B, by Leinster | Hi. Barton | Latrobe. |
| Blue Bonnet, by Joe Hooker | G. W. Trahern | Sacramento. |
| Jack Brady, by Wildidle | W. L. Davis | Ione. |

SUMMARY.

Jack Brady ..... 1
Blue Bonnet ..... 2
Minnie B ..... 3

*Time*—1:20½; 1:20¾.

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RACE NO. 4—RUNNING.

Free for all. Purse, one hundred and twenty-five dollars. Entrance, twelve dollars and fifty cents. Single dash, five eighths of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Menlo, by Young Prince | M. McCrimmon | Lincoln. |
| Maggie D, by Tim Douglass | D. Dennison | Sacramento. |
| Gray Gust, by Pachen | Wm. LaDue | Roseville. |

SUMMARY.

Menlo ..... 1
Maggie D ..... 2
Gray Gust ..... 3

*Time*—1:06½.

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THURSDAY, AUGUST 23, 1888.

RACE NO. 5—RUNNING.

Purse, one hundred dollars; stake ten dollars added. Three eighths of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gallagher, unknown | C. T. Bunch | Ione. |
| Barney G, unknown | U. S. Gregory | Ione. |
| Maggie D, by Tim Douglass | D. Dennison | Sacramento. |

SUMMARY.

Barney G ..... 1
Maggie D ..... 2
Gallagher ..... 3

*Time*—0:37½; 0:38.

---

RACE NO. 6—RUNNING.

Purse, one hundred dollars; stake ten dollars added. Three-quarter mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Minnie R, unknown | E. Flitner | Ione. |
| Painkiller, by Joe Hooker | Hi. Barton | Latrobe. |
| Blue Bonnet, by Joe Hooker | G. W. Trahern | Sacramento. |

SUMMARY.

Blue Bonnet ..... 1
Painkiller ..... 2
Minnie R ..... 3

*Time*—1:18½.

FRIDAY, AUGUST 24, 1888.

RACE No. 7—RUNNING.

Purse, one hundred dollars. Entrance, ten dollars. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Menlo, by Young Prince | M. McCrimmon | Lincoln. |
| Gray Gust, by Patchen | William LaDue | Roseville. |
| Minnie R, unknown | Hi. Barton | Latrobe. |

SUMMARY.

| | |
|---|---|
| Minnie R | 1 |
| Menlo | 2 |
| Gray Gust | 3 |

*Time*—0:52½; 0:52¾; 0:52½.

RACE No. 8—RUNNING.

Free for all. Purse, one hundred and fifty dollars. Fifteen dollars entrance. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jack Brady | | |

A walkover.

*Time*—1:38¾.

# TRANSACTIONS

OF THE

# NINTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Del Norte and Humboldt.

# OFFICERS OF THE ASSOCIATION.

G. C. BARBER ..... President.
A. W. MOCK ..... Secretary.
L. FIEGENBAUM ..... Treasurer.

## DIRECTORS.

G. C. BARBER ..... Ferndale.
S. F. PINE ..... Eureka.
R. J. BUGBEE ..... Ferndale.
J. D. BARBER ..... Hydesville.
C. L. THOMPSON ..... Camp Grant.
A. MASSON ..... Rohnerville.
B. H. McNEIL ..... Rohnerville.
H. C. RANSOM ..... Crescent City.

# REPORT.

NOVEMBER 23, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Ninth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

A. W. MOCK, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Balance | $31 99 | |
| Received at the gate | 3,325 00 | |
| Received from privileges | 415 25 | |
| Received from pools | 100 00 | |
| Received from proceeds of ball | 226 50 | |
| Received from entrance fees | 566 00 | |
| Received from the State | 1,000 00 | |
| | | $5,664 74 |

*Expenses.*

| | | |
|---|---|---|
| Paid for premiums | $1,856 00 | |
| Paid for purses | 1,282 50 | |
| Paid sundry accounts | 1,212 22 | |
| Paid for printing and advertising | 408 57½ | |
| Paid for music | 265 00 | |
| Paid for hay and feed | 137 18 | |
| Paid for interest | 21 63 | |
| Balance on hand | 481 63½ | |
| | | $5,664 74 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED HORSES—STALLIONS. | | |
| Intruder, four years old or over | T. J. Knight | Beatrice. |
| MARES. | | |
| Puss, four years old or over, with colt | T. J. Knight | Beatrice. |
| Kate, four years old or over, with colt | T. J. Knight | Beatrice. |
| MARES OR GELDINGS. | | |
| Maria, three years old | T. J. Knight | Beatrice. |
| Susie D, three years old | L. E. Hunt | Eureka. |
| Mamie B, three years old | W. H. E. Smith | Rohnerville. |
| Linda Connor, three years old | T. J. Knight | Beatrice. |
| Clara K, three years old | T. J. Knight | Beatrice. |
| Why Not, two years old | W. H. Hogoboom | Rohnerville. |
| CLASS II—HORSES OF ALL WORK—STALLIONS. | | |
| Providence, four years old or over | W. H. E. Smith | Rohnerville. |
| Young Providence, four years old or over | E. J. Baker | Ferndale. |
| Allen, four years old or over | T. J. Knight | Beatrice. |
| Farmer Boy, four years old or over | J. Evarts | Petrolia. |
| Humboldt Dave, four years old or over | A. H. Knight | Beatrice. |
| Nimrod, three years old | A. Forbes | Eureka. |
| Prince, three years old | George W. Byard | Fortuna. |
| Farmer, two years old | N. Friel | Ferndale. |
| MARES. | | |
| Julia, four years old or over, with colt | J. D. Barber | Hydesville. |
| Julia, four years old or over, with colt | J. A. Myrick | Rohnerville. |
| Queen, four years old or over, with colt | T. J. Knight | Beatrice. |
| Minnie, four years old or over, with colt | A. Forbes | Eureka. |
| Esther, four years old or over, with colt | John Winslow | Beatrice. |
| MARES OR GELDINGS. | | |
| Queen, three years old | A. Worthington | Ferndale. |
| Lucy, three years old | A. Worthington | Ferndale. |
| Rose, three years old | C. A. Johnson | Petrolia. |
| Eureka Maid, three years old | Isaac Creek | Eureka. |
| Dexter, two years old | H. Drake | Rohnerville. |
| May Queen, two years old | A. Forbes | Eureka. |
| Mirt, one year old | A. Forbes | Eureka. |
| Neddy, one year old | P. Kelley | Ferndale. |
| Johnny Nimrod, suckling colt | Isaac Creek | Eureka. |
| ——, suckling colt | J. D. Barber | Hydesville. |
| General Harrison, suckling colt | H. Rohner | Fortuna. |
| Black Bess, suckling colt | C. L. Thompson | Camp Grant. |
| CLASS III—DRAFT HORSES—STALLIONS. | | |
| Val Jean, four years old or over | W. H. E. Smith | Rohnerville. |
| New Orleans, four years old or over | W. H. E. Smith | Rohnerville. |
| Bonaparte, four years old or over | G. H. Gray | Hydesville. |
| John Shire, three years old | G. H. Gray | Hydesville. |
| Billy, three years old | John Winslow | Beatrice. |
| MARES. | | |
| Lucy, four years old or over, with colt | John Winslow | Beatrice. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| MARES OR GELDINGS. | | |
| Dolly, three years old | J. Lawson | Ferndale. |
| Cleveland, three years old | F. Z. Boynton | Ferndale. |
| Bertha, three years old | William Samuels | Ferndale. |
| Fannie, two years old | J. P. Jacobson | Eureka. |
| Jane, two years old | Daniel Hasten | Ferndale. |
| Nellie, two years old | P. Kelley | Ferndale. |
| Lady Grey, two years old | C. E. Spear | Ferndale. |
| Daisy Jean, one year old | W. S. Robinson | Bridgeville. |
| Lue, one year old | William Forbes | Ferndale. |
| CLASS IV—ROADSTERS—STALLIONS. | | |
| Poscora Hayward, four years old or over | W. H. E. Smith | Rohnerville. |
| Idaho Patchen, four years old or over | T. J. Knight | Beatrice. |
| Highland Chief, four years old or over | G. H. Grey | Hydesville. |
| Ira, four years old or over | H. W. Cooper | Eureka. |
| Wallenstein, three years old | H. S. Hogoboom | Rohnerville. |
| Challenger, three years old | I. Minor | Arcata. |
| Comet, Jr., two years old | G. W. Byard | Fortuna. |
| Gold Rose, two years old | H. S. Hogoboom | Rohnerville. |
| Johnny Moor | S. Douglass | Rohnerville. |
| MARES, WITH COLT. | | |
| Young Lightfoot, four years old or over | H. W. Cooper | Eureka. |
| Lady Felt, four years old or over | R. J. Bugbee | Ferndale. |
| Lady Lightfoot, four years old or over | W. H. E. Smith | Rohnerville. |
| Frida, four years old or over | A. C. Roussin | Ferndale. |
| Evalina, four years old or over | H. W. Cooper | Eureka. |
| Nellie, four years old or over | C. F. Roberts | Eureka. |
| Eva, four years old or over | T. J. Knight | Beatrice. |
| Nellie, four years old or over | S. Douglass | Rohnerville. |
| Betty, four years old or over | J. Nicols | Ferndale. |
| Fanny, four years old or over | Wm. Samuels | Ferndale. |
| MARES OR GELDINGS. | | |
| Prince Hayward, three years old | P. H. Quinn | Eureka. |
| Junebug, three years old | P. H. Quinn | Eureka. |
| Posse, two years old | Dr. Eby | Rohnerville. |
| General Moor, one year old | C. E. Bryant | Rohnerville. |
| Vinco, one year old | Dr. Eby | Rohnerville. |
| Jolly Jogger, one year old | Dr. T. D. Felt | Rohnerville. |
| Johnny C, one year old | H. A. Myrick | Rohnerville. |
| Belle Moor, one year old | A. H. Knight | Beatrice. |
| Billie, one year old | P. Kelley | Ferndale. |
| Daisy N, suckling colt | J. W. Connick | Eureka. |
| ——, suckling colt | A. C. Roussin | Ferndale. |
| ——, suckling colt | A. C. Roussin | Ferndale. |
| CLASS V—CARRIAGE HORSES. | | |
| Maud and Flora | I. B. Barnes | Ferndale. |
| —— —— | Ira Russ | Ferndale. |
| Lady Fox | F. McGraw | Eureka. |
| Salem Boy | Lewis Doe | Ferndale. |
| Rapid Ann | Dr. T. D. Felt | Rohnerville. |
| Senator | J. F. Robarts | Ferndale. |
| CLASS VI—ALL WORK OR DRAFT HORSES. | | |
| Black double team | J. R. Myers | Rohnerville. |
| Gray double team | J. Dahle | Rohnerville. |
| CLASS VII—SADDLE HORSES. | | |
| Bob, two years old or over | H. Rohner | Fortuna. |
| Ripple, two years old or over | Wm. Perrott | Rohnerville. |
| CLASS VIII—JACKS AND MULES. | | |
| Duke | A. H. Knight | Beatrice. |
| Daisy* | J. W. Connick | Eureka. |
| Black colt* | J. Nicols | Ferndale. |

*Special premium of fifty dollars awarded by H. W. Cooper to colts sired by Ira.

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—CATTLE—DURHAMS—BULLS. | | |
| Alex, three years old or over | J. A. Davenport | Ferndale. |
| Monesta, three years old or over | J. W. Kemp | Ferndale. |
| Dan'l Webster 2d, three years old or over | Wm. Forbes | Ferndale. |
| Brigham, two years old | Wm. Samuels | Ferndale. |
| 2d Duke of Mad River, one year old | Edmonston Bros. | Arcata. |
| Bismarck, calf | F. Z. Boynton | Ferndale. |
| Dan'l Webster 3d, calf | Wm. Forbes | Ferndale. |
| COWS. | | |
| Pink, three years old or over | J. W. Kemp | Ferndale. |
| Beauty, three years old or over | Wm. Forbes | Ferndale. |
| Sarah, three years old or over | Wm. Forbes | Ferndale. |
| Rose, three years old or over | W. N. Russ | Ferndale. |
| Tempest, calf | Wm. Forbes | Ferndale. |
| Sunshine, calf | Wm. Forbes | Ferndale. |
| JERSEYS AND ALDERNEYS—BULLS. | | |
| King, three years old or over | S. F. Robinson | Rio Dell. |
| COWS. | | |
| Nellie, three years old or over | J. W. Kemp | Ferndale. |
| Jack Rabbit, three years old or over | J. W. Kemp | Ferndale. |
| Ringtail, three years old or over | J. W. Kemp | Ferndale. |
| Star, three years old or over | J. W. Kemp | Ferndale. |
| Daisy, heifer calf | S. F. Robinson | Rio Dell. |
| AYRSHIRE—BULLS. | | |
| Victor, three years old or over | G. W. Byard | Fortuna. |
| Roy, three years old or over | N. Hurlburt | Ferndale. |
| Scotland, three years old or over | N. Hurlburt | Ferndale. |
| Victor, two years old | N. Hurlburt | Ferndale. |
| Ranger, bull calf | N. Hurlburt | Ferndale. |
| Hurlburt, bull calf | Wm. Samuels | Ferndale. |
| COWS. | | |
| Cora, three years old or over | N. Hurlburt | Ferndale. |
| Edith, three years old or over | N. Hurlburt | Ferndale. |
| Spot, two years old | N. Hurlburt | Ferndale. |
| Maud, one year old | N. Hurlburt | Ferndale. |
| Ruby, heifer calf | N. Hurlburt | Ferndale. |
| Sybil, heifer calf | N. Hurlburt | Ferndale. |
| Daisy, heifer calf | Wm. Samuels | Ferndale. |
| HOLSTEIN—BULLS. | | |
| Dennoud S, two years old | A. Forbes | Eureka. |
| Elkwood, one year old | A. Forbes | Eureka. |
| Elko, one year old | A. Forbes | Eureka. |
| William, one year old | G. E. Hansen | Hydesville. |
| Island, bull calf | Wm. Forbes | Ferndale. |
| King, bull calf | Wm. Forbes | Ferndale. |
| COWS. | | |
| Puritan, three years old or over | A. Forbes | Eureka. |
| Orphan Queen, three years old or over | A. Forbes | Eureka. |
| Eva, three years old or over | G. E. Hansen | Hydesville. |
| Rosabelle Strathmore, one year old | A. Forbes | Eureka. |
| Clam Pit, one year old | A. Forbes | Eureka. |
| Bellevue Flora, heifer calf | A. Forbes | Eureka. |
| Bellevue Burnie | A. Forbes | Eureka. |
| HEREFORD—BULLS. | | |
| Prince, one year old | W. N. Russ | Ferndale. |
| Cæsar, one year old | W. N. Russ | Ferndale. |
| Johnny, bull calf | W. N. Russ | Ferndale. |
| COWS. | | |
| Jane, one year old | W. N. Russ | Ferndale. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| GRADED CATTLE—BULLS. | | |
| Billie, three years old or over | C. De Carlie | Ferndale. |
| Mose, three years old or over | R. Bryant | Rohnerville. |
| ——, two years old | A. H. Knight | Beatrice. |
| Brigham 2d, one year old | Wm. Samuels | Ferndale. |
| Tim, bull calf | Wm. Samuels | Ferndale. |
| Tim 2d, bull calf | Wm. Samuels | Ferndale. |
| Fred, bull calf | J. A. Davenport | Ferndale. |
| COWS. | | |
| Cherry, three years old or over | C. De Carlie | Ferndale. |
| Jennie, three years old or over | Wm. Forbes | Ferndale. |
| Mary, three years old or over | Wm. Forbes | Ferndale, |
| Continental, three years old or over | Wm. Samuels | Ferndale. |
| Speck, three years old or over | Wm. Samuels | Ferndale. |
| Maggie, three years old or over | Wm. Samuels | Ferndale. |
| Betsy, three years old or over | R. Bryant | Rohnerville. |
| Queen, three years old or over | S. F. Robinson | Rio Dell. |
| Mabel, two years old | A. Forbes | Eureka. |
| Rose, one year old | J. A. Davenport | Ferndale. |
| Pet, one year old | J. A. Davenport | Ferndale. |
| ——, one year old | J. S. East | Rohnerville. |
| Susy, one year old | C. De Carlie | Ferndale. |
| Rosy, one year old | C. De Carlie | Ferndale. |
| ——, heifer calf | J. A. Davenport | Ferndale. |
| ——, heifer calf | J. A. Davenport | Ferndale. |
| Jessie, heifer calf | C. De Carlie | Ferndale. |
| Star, heifer calf | C. De Carlie | Ferndale. |
| Lily, heifer calf | C. De Carlie | Ferndale. |
| Friesly, heifer calf | A. Forbes | Eureka. |
| CLASS I—SHEEP. | | |
| Prince, Cotswold ram | A. H. Knight | Beatrice. |
| John, Merino ram | T. J. Knight | Beatrice. |
| Dick, Merino ram | T. J. Knight | Beatrice. |
| Cleveland, Shropshire ram | Wm. Samuels | Ferndale. |
| Cleveland 2d, Shropshire ram | Wm. Samuels | Ferndale. |
| Five Cotswold ewes | A. H. Knight | Beatrice. |
| Five Merino ewes | T. J. Knight | Beatrice. |
| Five Merino ewes | T. J. Knight | Beatrice. |
| Five Shropshire ewes | Wm. Samuels | Ferndale. |
| CLASS II—GRADED. | | |
| ——, ram | J. A. Davenport | Ferndale. |
| Bill, ram | T. J. Knight | Beatrice. |
| Charlie, ram | T. J. Knight | Beatrice. |
| Pete, ram | G. C. Barber | Ferndale. |
| Dick, ram | G. C. Barber | Ferndale. |
| Tom, ram | G. C. Barber | Ferndale. |
| Five ewes | J. A. Davenport | Ferndale. |
| Five ewes | A. H. Knight | Beatrice. |
| Five ewes | T. J. Knight | Beatrice. |
| Five ewes | T. J. Knight | Beatrice. |
| CLASS I—SWINE. | | |
| Tom, Berkshire boar | M. P. Hansen | Rohnerville. |
| John, Essex boar | A. H. Knight | Beatrice. |
| ——, Essex boar | J. S. East | Rohnerville. |
| Johnny, Poland-China boar | Wm. Samuels | Ferndale. |
| Maggie, Berkshire sow | M. P. Hansen | Rohnerville. |
| Black Bess, Berkshire sow | A. H. Knight | Beatrice. |
| Milkmaid, Berkshire sow | A. H. Knight | Beatrice. |
| ——, Essex sow | A. H. Knight | Beatrice. |
| Betsy, Poland-China sow | Wm. Samuels | Ferndale. |
| Bess, Poland-China sow | Wm. Samuels | Ferndale. |
| Friel, boar of any breed | J. W. Kemp | Ferndale. |
| Johnny, boar of any breed | J. W. Kemp | Ferndale. |
| ——, sow of any breed | A. H. Knight | Beatrice. |
| ——, sow of any breed | J. S. East | Rohnerville. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| Five pigs of any breed | J. S. East | Rohnerville. |
| Five pigs of any breed | Wm. Samuels | Ferndale. |
| POULTRY. | | |
| Lot of Black Spanish | M. Robinson | Rohnerville. |
| Lot of Plymouth Rock | John Palmer | Hydesville. |
| Lot of Plymouth Rock | Mrs. M. E. Swanger | Rohnerville. |
| Lot of White Leghorns | M. Robinson | Rohnerville. |
| Lot of White Leghorns | John Palmer | Hydesville. |
| Lot of Brown Leghorns | M. Robinson | Rohnerville. |
| Lot of Wyandottes | M. Robinson | Rohnerville. |
| One pair of turkeys | J. P. Godfrey | Hydesville. |
| One pair of turkeys | M. Robinson | Hydesville. |
| One pair of ducks | G. Jackson | Ferndale. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | | |
| Intruder | T. J. Knight | Beatrice | $18 00 |
| MARES. | | | |
| Puss | T. J. Knight | Beatrice | $12 00 |
| Puss | T. J. Knight | Beatrice | $6 00 |
| Susie D | T. L. Hank | Eureka | $9 00 |
| Linda Connor | T. J. Knight | Beatrice | $5 00 |
| Why Not | H. S. Hogoboom | Rohnerville | $9 00 |
| HORSES OF ALL WORK—STALLIONS. | | | |
| Allen | T. J. Knight | Beatrice | $18 00 |
| Farmer Boy | J. Evarts | Petrolia | $12 00 |
| Nimrod, three years old | A. Forbes | Eureka | $12 00 |
| Prince, three years old | G. W. Byard | Fortuna | $6 00 |
| Farmer, two years old | N. Friel | Ferndale | $12 00 |
| MARES. | | | |
| Julia | J. D. Barber | Hydesville | $12 00 |
| Rose | C. A. Johnson | Petrolia | $6 00 |
| Queen, three years old | A. Worthington | Ferndale | $9 00 |
| May Queen, two years old | A. Forbes | Eureka | $5 00 |
| Mirt, one years old | A. Forbes | Eureka | $9 00 |
| GELDINGS. | | | |
| Dexter, two years old | H. Drake | Rohnerville | $9 00 |
| SUCKLING COLTS. | | | |
| Johnny | Isaac Creek | Eureka | $6 00 |
| ——, | J. D. Barber | Hydesville | $3 00 |
| DRAFT HORSES—STALLIONS. | | | |
| Val Jean | W. H. E. Smith | Rohnerville | $18 00 |
| New Orleans | W. H. E. Smith | Rohnerville | $12 00 |
| John Shire, three years old | G. H. Gray | Hydesville | $12 00 |
| Billy, three years old | J. Winslow | Beatrice | $6 00 |
| MARES. | | | |
| Lucy | J. Winslow | Beatrice | $12 00 |
| Dolly, three years old | J. Lawson | Ferndale | $9 00 |
| Jane, two years old | Daniel Hasten | Ferndale | $9 00 |
| Lady Grey, two years old | C. E. Spears | Ferndale | $5 00 |
| Lue, one year old | Wm. Forbes | Ferndale | $9 00 |
| Daisy Jean, one year old | W. S. Robinson | Ferndale | $4 00 |
| SUCKLING COLTS. | | | |
| Val | J. Winslow | Beatrice | $5 00 |
| GELDINGS. | | | |
| Cleveland, three years old | F. Z. Boynton | Ferndale | $5 00 |
| ROADSTERS—STALLIONS. | | | |
| Poscora Hayward | W. H. E. Smith | Rohnerville | $18 00 |
| Ira | H. W. Cooper | Beatrice | $12 00 |
| Wallenstein, three years old | H. S. Hogoboom | Rohnerville | $12 00 |
| Challenger, three years old | Ira Minor | Arcata | $6 00 |
| Johnny Moor, two years old | S. Douglass | Rohnerville | $12 00 |
| Gold Rose, two years old | H. S. Hogoboom | Rohnerville | $6 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| MARES. | | | |
| Young Lightfoot | H. W. Cooper | Eureka | $12 00 |
| Lady Felt | R. J. Bugbee | Ferndale | $6 00 |
| Junebug, three years old | P. H. Quinn | Eureka | $5 00 |
| Posse, two years old | Dr. Eby | Rohnerville | $9 00 |
| Belle Moor, one year old | A. H. Knight | Beatrice | $4 00 |
| GELDINGS. | | | |
| Prince Hayward, three years old | P. H. Quinn | Eureka | $9 00 |
| Gen. Moor, one year old | C. E. Bryant | Rohnerville | $9 00 |
| SUCKLING COLTS. | | | |
| Daisy N | J. W. Connick | Eureka | $6 00 |
| ——, | A. C. Roussin | Ferndale | $3 00 |
| ——, | Dr. J. D. Felt | Rohnerville | $9 00 |
| ——, | H. A. Myrick | Rohnerville | $4 00 |
| CARRIAGE HORSES. | | | |
| Maud and Flora, carriage team | I. B. Barnes | Ferndale | $12 00 |
| Carriage team | Ira Russ | Ferndale | $6 00 |
| Lady Fox, buggy mare | F. McGraw | Eureka | $8 00 |
| Salem Boy, buggy horse | Lewis Doe | Ferndale | $4 00 |
| ALL WORK OR DRAFT HORSES. | | | |
| Black team | J. R. Myers | Rohnerville | $12 00 |
| Gray team | J. Dahle | Rohnerville | $6 00 |
| SADDLE HORSES. | | | |
| Bob, gelding | H. Rohner | Fortuna | $6 00 |
| Ripple, gelding | Wm. Perrott | Rohnerville | $3 00 |
| JACKS AND MULES. | | | |
| Duke, jack | A. H. Knight | Beatrice | $12 00 |
| CATTLE—DURHAMS—BULLS. | | | |
| Daniel Webster | Wm. Forbes | Ferndale | $18 00 |
| Alex | J. A. Davenport | Ferndale | $9 00 |
| Brigham, two years old | Wm. Samuels | Ferndale | $12 00 |
| 2d Duke of Mad River, one year old | Edmonston Bros. | Arcata | $9 00 |
| Bismarck, calf | F. Z. Boynton | Ferndale | $6 00 |
| Daniel Webster 3d, calf | Wm. Forbes | Ferndale | $3 00 |
| COWS. | | | |
| Rose | W. N. Russ | Ferndale | $12 00 |
| Sarah | Wm. Forbes | Ferndale | $6 00 |
| Tempest, heifer calf | Wm. Forbes | Ferndale | $6 00 |
| Sunshine, heifer calf | Wm. Forbes | Ferndale | $3 00 |
| AYRSHIRES—BULLS. | | | |
| Scotland | N. Hurlburt | Ferndale | $18 00 |
| Roy | N. Hurlburt | Ferndale | $9 00 |
| Victor, two years old | N. Hurlburt | Ferndale | $12 00 |
| Ranger, calf | N. Hurlburt | Ferndale | $6 00 |
| Hurlburt, calf | Wm. Samuels | Ferndale | $3 00 |
| COWS. | | | |
| Cora | N. Hurlburt | Ferndale | $12 00 |
| Edith | N. Hurlburt | Ferndale | $6 00 |
| Spat, two years old | N. Hurlburt | Ferndale | $12 00 |
| Maud, one year old | N. Hurlburt | Ferndale | $9 00 |
| Ruby, calf | N. Hurlburt | Ferndale | $6 00 |
| Daisy, calf | Wm. Samuels | Ferndale | $3 00 |
| JERSEYS—BULLS. | | | |
| King | S. F. Robinson | Rio Dell | $18 00 |
| COWS. | | | |
| Star | J. W. Kemp | Ferndale | $12 00 |
| Nellie | J. W. Kemp | Ferndale | $6 00 |
| Daisy, calf | S. F. Robinson | Rio Dell | $6 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| HOLSTEINS—BULLS. | | | |
| Dennond S | A. Forbes | Eureka | $12 00 |
| Elkwood, one year old | A. Forbes | Eureka | $9 00 |
| Elko | A. Forbes | Eureka | $5 00 |
| Island, calf | Wm. Forbes | Ferndale | $6 00 |
| William, calf | G. E. Hansen | Hydesville | $3 00 |
| COWS. | | | |
| Orphan Queen | A. Forbes | Eureka | $12 00 |
| Puritan | A. Forbes | Eureka | $6 00 |
| Rosabell Strathmore | A. Forbes | Eureka | $5 00 |
| Clam Pit | A. Forbes | Eureka | $9 00 |
| Flora, calf | A. Forbes | Eureka | $6 00 |
| Burnie, calf | A. Forbes | Eureka | $3 00 |
| HEREFORDS—BULLS. | | | |
| Cæsar, one year old | W. N. Russ | Ferndale | $9 00 |
| Prince, one year old | W. N. Russ | Ferndale | $5 00 |
| Johnny, calf | W. N. Russ | Ferndale | $6 00 |
| COWS. | | | |
| Jane, one year old | W. N. Russ | Ferndale | $9 00 |
| GRADED CATTLE—BULLS. | | | |
| Billie | C. De Carlie | Ferndale | $9 00 |
| Mose | R. Bryant | Rohnerville | $4 00 |
| ——, two years old | A. H. Knight | Beatrice | $9 00 |
| Brigham | Wm. Samuels | Ferndale | $6 00 |
| Tim, calf | Wm. Samuels | Ferndale | $4 00 |
| Tim, Jr., calf | Wm. Samuels | Ferndale | $2 00 |
| COWS. | | | |
| Cherry, three years old | C. De Carlie | Ferndale | $6 00 |
| May, three years old | Wm. Forbes | Ferndale | $3 00 |
| Maybell, two years old | A. Forbes | Eureka | $6 00 |
| Rose, one year old | J. A. Davenport | Ferndale | $4 00 |
| Susy, one year old | C. De Carlie | Ferndale | $2 00 |
| Friesly, calf | A. Forbes | Eureka | $3 00 |
| Lily, calf | C. De Carlie | Ferndale | $2 00 |
| SHEEP. | | | |
| Cotswold ram | A. H. Knight | Beatrice | $12 00 |
| Merino ram | T. J. Knight | Beatrice | $12 00 |
| Merino ram | T. J. Knight | Beatrice | $6 00 |
| Cleveland, Shropshire ram | Wm. Samuels | Ferndale | $12 00 |
| Cleveland 2d, Shropshire ram | Wm. Samuels | Ferndale | $6 00 |
| Five Cotswold ewes | A. H. Knight | Beatrice | $6 00 |
| Five Merino ewes | T. J. Knight | Beatrice | $6 00 |
| Five Merino ewes | T. J. Knight | Beatrice | $3 00 |
| Five Shropshire ewes | Wm. Samuels | Ferndale | $6 00 |
| SWINE. | | | |
| Berkshire boar | M. P. Hansen | Rohnerville | $6 00 |
| Berkshire sow | M. P. Hansen | Rohnerville | $6 00 |
| Essex boar | J. S. East | Rohnerville | $6 00 |
| Essex boar, John | A. H. Knight | Beatrice | $3 00 |
| Essex sow | A. H. Knight | Beatrice | $6 00 |
| Johnny, Poland-China boar | Wm. Samuels | Ferndale | $6 00 |
| Betsy, Poland-China sow | Wm. Samuels | Ferndale | $6 00 |
| Bess, Poland-China sow | Wm. Samuels | Ferndale | $3 00 |
| Johnny, boar of any breed | J. W. Kemp | Ferndale | $6 00 |
| Friel, boar of any breed | J. W. Kemp | Ferndale | $3 00 |
| Pet, sow of any breed | J. A. Davenport | Ferndale | $6 00 |
| Sow of any breed | J. S. East | Rohnerville | $3 00 |
| Five pigs of any breed | J. S. East | Rohnerville | $6 00 |
| Five pigs of any breed | Wm. Samuels | Ferndale | $3 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| POULTRY. | | | |
| Exhibit of poultry | M. Robinson | Rohnerville | $6 00 |
| Lot of Black Spanish | M. Robinson | Rohnerville | $2 00 |
| Lot of Plymouth Rock | John Palmer | Hydesville | $2 00 |
| Lot of Plymouth Rock | Mrs. M. E. Swanger | Rohnerville | $1 00 |
| Lot of Wyandottes | M. Robinson | Rohnerville | $2 00 |
| Pair of ducks | W. Connick | Rohnerville | $2 00 |
| Pair of ducks | G. Jackson | Ferndale | $1 00 |
| Pair of turkeys | John Palmer | Hydesville | $2 00 |
| Pair of turkeys | John Palmer | Hydesville | $1 00 |
| Lot of White Leghorns | John Palmer | Hydesville | $2 00 |
| Lot of White Leghorns | M. Robinson | Rohnerville | $1 00 |
| Lot of Brown Leghorns | M. Robinson | Rohnerville | $2 00 |
| Lot of Brown Leghorns | John Palmer | Hydesville | $1 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—MECHANICAL PRODUCTS. | | | |
| Farm or freight wagon | A. T. Rogers | Hydesville | $10 00 |
| Harrow | O. Hamill | Rohnerville | $5 00 |
| Best shod horse for light road work | A. D. Smith | Rohnerville | $5 00 |
| Best shod horse for heavy road work | A. D. Smith | Rohnerville | $5 00 |
| Best carriage harness, single | B. L. Wait, Jr. | Fortuna | $5 00 |
| Best set of carriage harness, single | B. L. Wait, Jr. | Fortuna | $5 00 |
| Best set of heavy harness | B. L. Wait | Fortuna | $5 00 |
| Best pair of buckskin gloves | P. F. McDonald | Eureka | $2 00 |
| Best display of brick | J. Thompson | Rohnerville | $5 00 |
| Best spring bed | Ruscoe & Lunblade | Eureka | $5 00 |
| Best lounge | Ruscoe & Lunblade | Eureka | $5 00 |
| Best display of furniture | Ruscoe & Lunblade | Eureka | $15 00 |
| Sidehill plow (special premium) | Mr. Sentney | Blocksburg | $10 00 |
| Mattock (special premium) | F. Leach | Rohnerville | $5 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best five pounds of butter | J. A. Davenport | Ferndale | $2 00 |
| Second best five pounds of butter | G. Jackson | Ferndale | $1 00 |
| Best five pounds of butter | W. H. Wilson | Ferndale | $5 00 |
| Second best five pounds of butter | C. De Carlie | Ferndale | $2 50 |
| Best cheese | Chas. Vedder | Ferndale | $5 00 |
| Second best cheese | Chas. Vedder | Ferndale | $2 50 |
| Best bushel of wheat | J. P. Godfrey | Hydesville | $4 00 |
| Second best bushel of wheat | H. Drake | Rohnerville | $2 50 |
| Best bushel of barley | Biggs & Cartwright | Rohnerville | $4 00 |
| Second best bushel of barley | J. S. East | Rohnerville | $2 50 |
| Best bushel of oats | J. Anderson | Hydesville | $4 00 |
| Second best bushel of oats | H. Drake | Rohnerville | $2 50 |
| Best bushel of sweet peas | J. Hodge | Rohnerville | $4 00 |
| Second best bushel of sweet peas | J. Tower | Ferndale | $2 50 |
| Best bushel of blackeye peas | W. Connick | Rohnerville | $4 00 |
| Second best bushel of blackeye peas | J. A. Davenport | Ferndale | $2 50 |
| Best bushel of Niles peas | J. Hodge | Rohnerville | $4 00 |
| Second best bushel of Niles peas | H. Drake | Rohnerville | $2 50 |
| Best bushel of beans | J. Tower | Ferndale | $4 00 |
| Second best bushel of beans | G. E. Stewart | Rohnerville | $2 50 |
| Best two sheaves of oats | J. Dahle | Rohnerville | $2 00 |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best two sheaves of oats | J. S. East | Rohnerville | $1 00 |
| Best two sheaves of wheat | J. P. Godfrey | Hydesville | $2 00 |
| Second best two sheaves of wheat | A. L. Stoddard | Ferndale | $1 00 |
| Best six stalks of corn | J. L. Newman | Camp Grant | $2 00 |
| Second best six stalks of corn | B. L. Wait | Ferndale | $1 00 |
| Best half dozen table carrots | J. S. East | Rohnerville | $2 00 |
| Second best half dozen table carrots | A. W. Reynolds | Ferndale | $1 00 |
| Best half dozen table beets | P. Hauck | Rohnerville | $2 00 |
| Second best half dozen table beets | A. W. Reynolds | Ferndale | $1 00 |
| Best half dozen stock beets | W. G. Nickerson | Ferndale | $2 00 |
| Second best half dozen stock beets | J. W. Kemp | Ferndale | $1 00 |
| Best half dozen stock carrots | E. Anderson | Ferndale | $2 00 |
| Second best half dozen stock carrots | J. S. East | Rohnerville | $1 00 |
| Best three cabbages | H. Owen | Ferndale | $2 00 |
| Second best three cabbages | J. Dinsmore | Ferndale | $1 00 |
| Best three squashes | J. S. East | Rohnerville | $2 00 |
| Second best three squashes | O. L. Stoddard | Ferndale | $1 00 |
| Best three pumpkins | F. Morris | Ferndale | $2 00 |
| Second best three pumpkins | P. Hauck | Rohnerville | $1 00 |
| Best three watermelons | J. J. Newman | Camp Grant | $2 00 |
| Second best three watermelons | A. Hansel & Sons | Camp Grant | $1 00 |
| Best three muskmelons | A. Hansel & Sons | Camp Grant | $2 00 |
| Second best three muskmelons | G. E. Stewart | Rohnerville | $1 00 |
| Best display of cucumbers | John Hodge | Rohnerville | $2 00 |
| Second best display of cucumbers | B. L. Wait | Ferndale | $1 00 |
| Best display of tomatoes | Mrs. R. A. Luttman | Hydesville | $2 00 |
| Second best display of tomatoes | J. J. Newman | Camp Grant | $1 00 |
| Best one bushel of potatoes | P. Hauck | Rohnerville | $5 00 |
| Second best one bushel of potatoes | G. E. Stewart | Rohnerville | $2 50 |
| Best display of potatoes | J. S. East | Rohnerville | $3 00 |
| Second best display of potatoes | James Hodge | Rohnerville | $2 00 |
| Best display of sweet potatoes | A. J. Myers | Camp Grant | $2 00 |
| Best display of onions | C. Langdon | Rohnerville | $2 00 |
| Second best display of onions | B. L. Wait | Ferndale | $1 00 |
| **HAM, BACON, AND LARD.** | | | |
| Best bacon | D. L. Shinn | Petrolia | $4 00 |
| Best ham | D. L. Shinn | Petrolia | $4 00 |
| Best lard | D. L. Shinn | Petrolia | $4 00 |
| **BREAD AND PASTRY.** | | | |
| Best two loaves of home-made bread of corn | Mrs. Chas. Perrott | Rohnerville | $2 00 |
| Second best two loaves of home-made bread of corn | Mrs. G. C. Barber | Ferndale | $1 00 |
| Best two loaves of home-made bread of rye | Mrs. Henry Lane | Fortuna | $2 00 |
| Best two loaves of home-made bread of wheat | Mrs. B. H. McNeil | Rohnerville | $2 00 |
| Second best two loaves of home-made bread of wheat | Mrs. Henry Lane | Fortuna | $1 00 |
| Best pan of biscuit | Mrs. B. H. McNeil | Rohnerville | $2 00 |
| Second best pan of biscuit | Mrs. Henry Lane | Fortuna | $1 00 |
| Best display of pastry | Mrs. Henry Lane | Fortuna | $5 00 |
| Second best display of pastry | Mrs. W. H. Owens | Ferndale | $2 50 |
| **CLASS II—FLOWERS.** | | | |
| Best display of flowers in a box or stand—not less than fifteen varieties | Miss M. Woolridge | Ferndale | $10 00 |
| Second best display of flowers in a box or stand—not less than fifteen varieties | Mrs. M. Woolridge | Ferndale | $5 00 |
| Third best display of flowers in a box or stand—not less than fifteen varieties | Mrs. H. Woolridge | Ferndale | $3 00 |
| Fourth best display of flowers in a box or stand—not less than fifteen varieties | Miss M. Woolridge | Ferndale | $2 00 |
| Best bouquet | Mrs. H. Woolridge | Ferndale | $3 00 |
| Second best bouquet | Miss M. Woolridge | Ferndale | $2 00 |
| Third best bouquet | Miss M. Woolridge | Ferndale | $1 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—FRUIT. | | | |
| Best display of fruit of all kinds | A. Hansel & Sons. | Camp Grant | $15 00 |
| Second best display of fruit of all kinds | J. J. Newman | Camp Grant | $7 50 |
| Best five varieties of apples, correctly named | J. J. Newman | Camp Grant | $10 00 |
| Second best five varieties of apples, correctly named | A. Hansel & Sons. | Camp Grant | $5 00 |
| Best display of pears | A. Hansel & Sons. | Camp Grant | $2 00 |
| Best display of quinces | J. H. Smith | Camp Grant | $2 00 |
| Best display of grapes | A. J. Myers | Camp Grant | $2 00 |
| Best display of prunes | P. Hauck | Rohnerville | $2 00 |
| Best display of peaches | J. J. Newman | Camp Grant | $5 00 |
| Best two bottles of currant wine | Mrs. R. B. Price | Ferndale | $2 00 |
| Best two bottles of blackberry wine | Mrs. R. B. Price | Ferndale | $2 00 |
| CLASS II—PLUMS, JELLIES, AND PRESERVES. | | | |
| Best plum jam | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best plum jam | Mrs. M. F. Baker | Ferndale | $1 00 |
| Best currant jam | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best currant jam | Miss Lilly Hawe | Ferndale | $1 00 |
| Best raspberry jam | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best raspberry jam | Mrs. M. F. Baker | Ferndale | $1 00 |
| Best blackberry jam | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best blackberry jam | Mrs. J. A. Coyle | Hydesville | $1 00 |
| Best currant jelly | Mrs. B. H. McNeil | Rohnerville | $2 00 |
| Second best currant jelly | Mrs. J. A. Coyle | Hydesville | $1 00 |
| Best apple jelly | Mrs. A. Worthington | Ferndale | $2 00 |
| Second best apple jelly | Mrs. J. L. Dudley | Ferndale | $1 00 |
| Best blackberry jelly | Mrs. G. C. Barber | Ferndale | 12 00 |
| Second best blackberry jelly | Mrs. J. A. Coyle | Hydesville | $1 00 |
| Best crabapple jelly | Mrs. R.A. Luttman | Hydesville | $2 00 |
| Second best crabapple jelly | Mrs. G. Patrick | Ferndale | $1 00 |
| Best raspberry jelly | Mrs. A. Worthington | Ferndale | $2 00 |
| Second best raspberry jelly | Mrs. G. C. Barber | Ferndale | $1 00 |
| Best peach jelly | Mrs. A. Worthington | Ferndale | $2 00 |
| Second best peach jelly | Mrs. D. M. Bryant | Ferndale | $1 00 |
| Best plum jelly | Mrs. J. D. Barber | Hydesville | $2 00 |
| Second best plum jelly | Mrs. J. L. Dudley | Ferndale | $1 00 |
| Best quince jelly | Mrs. J. D. Barber | Hydesville | $2 00 |
| Second best quince jelly | Mrs. D. M. Bryant | Ferndale | $1 00 |
| Best watermelon preserves | Mrs. A. W. Mock | Rohnerville | $2 00 |
| Second best watermelon preserves | Mrs. G. Patrick | Ferndale | $1 00 |
| Best cranberry preserves | Mrs. M. T. Baker | Ferndale | $2 00 |
| Second best cranberry preserves | Miss Lilly Hawe | Ferndale | $1 00 |
| Best tomato preserves | Mrs. Ella Reed | Rohnerville | $2 00 |
| Second best tomato preserves | Mrs. A. Worthington | Ferndale | $1 00 |
| Best currant preserves | Mrs. M. T. Baker | Ferndale | $2 00 |
| Second best currant preserves | Mrs. G. Patrick | Ferndale | $1 00 |
| Best crabapple preserves | Mrs. A. Worthington | Ferndale | $2 00 |
| Second best crabapple preserves | Mrs. G. Patrick | Ferndale | $1 00 |
| Best pear preserves | Mrs. B. H. McNeil | Rohnerville | $2 00 |
| Second best pear preserves | Mrs. J. L. Dudley | Ferndale | $1 00 |
| Best blackberry preserves | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best blackberry preserves | Mrs. M. T. Baker | Ferndale | $1 00 |
| Best plum preserves | Mrs. J. L. Dudley | Ferndale | $2 00 |
| Second best plum preserves | Mrs. G. Patrick | Ferndale | $1 00 |
| Best quince preserves | Mrs. Ella Reed | Rohnerville | $2 00 |
| Second best quince preserves | Mrs. J. L. Dudley | Ferndale | $1 00 |
| Best cherry preserves | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best cherry preserves | Mrs. J. L. Dudley | Ferndale | $1 00 |
| Best crabapple preserves | Mrs. B. H. McNeil | Rohnerville | $2 00 |
| Second best crabapple preserves | Mrs. J. L. Dudley | Ferndale | $1 00 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best peach preserves | Mrs. J. L. Dudley | Ferndale | $2 00 |
| Second best peach preserves | Mrs. G. Patrick | Ferndale | $1 00 |
| Best apple butter | Mrs. G. C. Barber | Ferndale | $2 00 |
| Second best apple butter | Mrs. M. T. Baker | Ferndale | $1 00 |
| Best peach butter | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best peach butter | Mrs. A. Worthington | Ferndale | $1 00 |
| Best plum butter | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best plum butter | Mrs. A. Worthington | Ferndale | $1 00 |
| Best tomato butter | Mrs. G. Patrick | Ferndale | $2 00 |
| Second best tomato butter | Mrs. M. T. Baker | Ferndale | $1 00 |
| Best fresh canned fruit | Mrs. R. A. Luttman | Hydesville | $8 00 |
| Second best fresh canned fruit | Mrs. H. Worthington | Ferndale | $4 00 |
| Best display of preserves, apple butter, jams, and jellies | Mrs. G. Patrick | Ferndale | $5 00 |
| Second best display of preserves, apple butter, jams, and jellies | Mrs. M. T. Baker | Ferndale | $2 50 |
| Best display of dried apples | G. C. Barber | Ferndale | $2 00 |
| Second best display of dried apples | H. Stegemier | Camp Grant | $1 00 |
| Best display of dried plums | G. C. Barber | Ferndale | $2 00 |
| Second best display of dried plums | H. Stegemier | Camp Grant | |
| Best display of dried prunes | G. C. Barber | Ferndale | $2 00 |
| Second best display of dried prunes | H. Stegemier | Camp Grant | $1 00 |
| Best display of dried pears | G. C. Barber | Ferndale | $2 00 |
| Second best display of dried pears | H. Stegemier | Camp Grant | |
| Best display of dried peaches | G. C. Barber | Ferndale | $2 00 |
| Second best display of dried peaches | H. Stegemier | Camp Grant | $1 00 |
| Best display of dried corn | G. C. Barber | Ferndale | $2 00 |
| Best display of dried fruits | G. C. Barber | Ferndale | $5 00 |
| Second best display of dried fruits | H. Stegemier | Camp Grant | |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—HOUSEHOLD FABRICS. | | | |
| Best rag carpet | Mrs. W. Underwood | Fortuna | $5 00 |
| Second best rag carpet | Mrs. John Berry | Ferndale | $2 50 |
| Best rug, braided | Mrs. W. Bohall | Fortuna | $2 00 |
| Second best rug, braided | Mrs. G. C. Barber | Ferndale | $1 50 |
| Best rug, yarn or worsted | Mrs. W. H. Owens | Ferndale | $3 00 |
| Second best rug, yarn or worsted | Mrs. L. M. Smith | Ferndale | $1 50 |
| Best slipper case | Mrs. N. N. Brown | Eureka | $2 00 |
| Best pillow sham | Miss Clara Kehoe | Rohnerville | $2 00 |
| Second best pillow sham | Mrs. A. L. Elsmore | Eureka | $1 00 |
| Best darned net pillow sham | Miss M. McMahon | Blocksburg | $4 00 |
| Second best darned net pillow sham | Miss M. Cruickshank | Blocksburg | $2 00 |
| Best specimen of hand sewing | Mrs. B. F. Farnham | Eureka | $3 00 |
| Second best specimen of hand sewing | Mrs. Ira Brazee | Rohnerville | $1 50 |
| Best sewing machine work | Mrs. B. F. Farnham | Eureka | $3 00 |
| Second best sewing machine work | Mrs. C. F. Roberts | Eureka | $1 50 |
| Best sofa pillow | Mrs. J. T. Manon | Rohnerville | $2 00 |
| Second best sofa pillow | Kate Fitzsimmons | Beatrice | $1 00 |
| Best child's dress | Mrs. C. F. Roberts | Eureka | $2 00 |
| Second best child's dress | Mrs. C. F. Roberts | Eureka | $1 00 |
| Best spread, other than knit or crochet | Mrs. A. L. Elsmore | Eureka | $2 00 |
| Second best spread, other than knit or crochet | Mrs. H. Kelley | Ferndale | $1 00 |
| Best specimen of quilting | Mrs. N. N. Brown | Eureka | $3 00 |
| Second best specimen of quilting | Miss E. Wolverton | Ferndale | $1 50 |
| Nicest arranged crazy quilt | Miss Emma Carr | Eureka | $5 00 |
| Best patchwork quilt, of cotton | Mrs. M. F. Blackburn | Eureka | $4 00 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best patchwork quilt, of cotton | Miss M. Bartlett | Ferndale | $2 00 |
| Best patchwork quilt, of worsted | Miss Lilly Hawe | Ferndale | $4 00 |
| Second best patchwork quilt, of worsted | Mrs. M. Bugbee | Ferndale | $2 00 |
| Best bedspread, crochet | Miss Anna Dahle | Rohnerville | $5 00 |
| Second best bedspread, crochet | Miss M. McMahon | Blocksburg | $2 50 |
| Best bedspread, knit | Mrs. R. B. Price | Ferndale | $5 00 |
| Best knit skirt | Mrs. Wm. Forbes | Ferndale | $4 00 |
| Second best knit skirt | Mrs. N. N. Brown | Eureka | $2 00 |
| CLASS II—EMBROIDERY, CROCHET, TATTING, ETC. | | | |
| Best crochet skirt | Mrs. Wm. Forbes | Ferndale | $4 00 |
| Second best crochet skirt | Miss Emma Carr | Eureka | $2 00 |
| Best worsted crochet tidy | Mrs. Capt. Adams | Ferndale | $3 00 |
| Second best worsted crochet tidy | Mrs. H. Lane | Fortuna | $1 50 |
| Best knit tidy | Mrs. R. B. Price | Ferndale | $3 00 |
| Second best knit tidy | Miss E. Jackson | Eureka | $1 50 |
| Best tidy | Mrs. J. Evarts | Petrolia | $3 00 |
| Best cotton crochet tidy | Mrs. Ira Brazee | Fortuna | $2 00 |
| Second best cotton crochet tidy | Miss M. McMahon | Blocksburg | $1 50 |
| Best canvas tidy | Miss M. Dudley | Petrolia | $3 00 |
| Second best canvas tidy | Mrs. Ida L. Pascoe | Rio Dell | $1 50 |
| Best darned net tidy | Mrs. Capt. Adams | Ferndale | $3 00 |
| Second best darned net tidy | Mrs. Capt. Adams | Ferndale | $1 50 |
| Best toilet set, crochet | Mrs. J. Poinsett | Arcata | $2 00 |
| Second best toilet set, crochet | Mrs. H. Woolridge | Ferndale | $1 50 |
| Best table scarf | Mrs. W. T. Bonstell | Eureka | $2 00 |
| Second best table scarf | Mrs. E. B. Pape | Arcata | $1 00 |
| Best lamp mat | Miss A. Speeks | Hydesville | $1 00 |
| Best toilet cushion | Mrs. E. J. Ruddock | Eureka | $1 00 |
| Second best toilet cushion | Mrs. E. M. Craig | Eureka | $1 50 |
| Best toilet set, on canvas | Mrs. C. F. Roberts | Eureka | $1 00 |
| Best specimen of outline embroidery | Mrs. E. M. Stone | Eureka | $1 00 |
| Best specimen of ribbon embroidery | Mrs. E. J. Ruddock | Eureka | $2 00 |
| Best specimen of chenille embroidery | Mrs. E. J. Ruddock | Eureka | $2 00 |
| Second best specimen of chenille embroidery | Mrs. E. J. Ruddock | Eureka | $1 00 |
| Best specimen of silk embroidery | Mrs. E. Galloway | Ferndale | $1 00 |
| Second best specimen of silk embroidery | Mrs. C. F. Roberts | Eureka | $0 50 |
| Best specimen of cotton embroidery | Mrs. E. Galloway | Ferndale | $1 00 |
| Second best specimen of cotton embroidery | Mrs. E. Galloway | Ferndale | $0 50 |
| Best specimen of worsted embroidery | Mrs. E. Galloway | Ferndale | $1 00 |
| Best specimen of Spanish work | Mrs. Evarts | Petrolia | $2 00 |
| Best specimen of braiding | Mrs. P. Robarts | Ferndale | $1 00 |
| Second best specimen of braiding | Mrs. P. Robarts | Ferndale | $0 50 |
| Best specimen of knit lace | Mrs. P. F. Hart | Ferndale | $2 00 |
| Best specimen of knit lace | Mrs. I. Brazee | Rohnerville | $1 00 |
| Second best specimen of knit lace | Mrs. P. F. Hart | Ferndale | $1 00 |
| Best specimen of point lace | Mrs. E. J. Ruddock | Eureka | $5 00 |
| Second best specimen of point lace | Miss B. Stewart | Eureka | $2 50 |
| Best specimen of kensington work | Mrs. W. T. Bonstell | Eureka | $5 00 |
| Best applique work | Mrs. M. T. Blackburn | Eureka | $4 00 |
| Second best applique work | Mrs. E. J. Ruddock | Eureka | $2 00 |
| Best worsted crochet shawl | Mrs. A. L. Elsmore | Eureka | $3 00 |
| Second best worsted crochet shawl | Miss Ida Glasscock | Ferndale | $1 50 |
| Best display of macrame work | Mrs. E. J. Francis | Ferndale | $2 00 |
| Best bead work | Mrs. H. Woolridge | Ferndale | $2 00 |
| Second best bead work | Mrs. J. A. Coyle | Hydesville | $1 00 |
| Best lambrequin | Mrs. W. M. Fuller | Rohnerville | $2 00 |
| Second best lambrequin | Mrs. E. J. Ruddock | Eureka | $1 00 |
| Best splasher | Miss M. McMahon | Blocksburg | $2 00 |
| Second best splasher | Mrs. N. N. Brown | Eureka | $1 00 |
| Best specimen of rickrack | Miss E. Jackson | Eureka | $2 00 |
| Second best specimen of rickrack | Mrs. J. Poinsett | Arcata | $1 00 |
| Best carriage crochet robe | Mrs. P. Robarts | Ferndale | $4 00 |
| Second best carriage crochet robe | Mrs. Capt. Adams | Ferndale | $2 00 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—ORNAMENTAL AND FANCY WORK. | | | |
| Best agricultural wreath | Mrs. M. Lithgrow | Rohnerville | $2 00 |
| Best specimen of hair work | Mrs. M. Perrott | Rohnerville | $2 00 |
| Handsomest display of fancy articles by lady or miss | Mrs. E. J. Ruddock | Eureka | $10 00 |
| Second best display of fancy articles by lady or miss | Mrs. N. N. Brown | Eureka | $5 00 |
| CLASS IV—PAINTING AND DRAWING. | | | |
| Best specimen of oil painting, landscape or marine | Mrs. Ida L. Pascoe | Rio Dell | $5 00 |
| Second best oil painting, landscape or marine | Mrs. Ida L. Pascoe | Rio Dell | $2 50 |
| Best specimen of oil painting, flowers | Mrs. Ida L. Pascoe | Rio Dell | $5 00 |
| Second best oil painting, flowers | Miss Nellie Fay | Eureka | $2 50 |
| Best specimen of kensington painting | Mrs. E. B. Pape | Arcata | $5 00 |
| Second best specimen of kensington painting | Mrs. B. Farnham | Eureka | $2 50 |
| Best painting on china | Mrs. C. F. Roberts | Eureka | $5 00 |
| Best luster painting | Mrs. C. S. Kendall | Petrolia | $4 00 |
| Best water color flowers | Mrs. C. S. Kendall | Petrolia | $5 00 |
| Second best water color flowers | Miss E. S. Clift | Rohnerville | $2 50 |
| Best water color portrait | G. B. Watkins | Eureka | $5 00 |
| Second best water color portrait | G. B. Watkins | Eureka | $2 50 |
| Best crayon drawing portrait | Miss Nellie Fay | Eureka | $5 00 |
| Best crayon drawing landscape | Fred Hansen | Hydesville | $5 00 |
| Best pencil drawing | A. E. McLaren | Eureka | $5 00 |
| Best oil painting on satin | Mrs. Ida L. Pascoe | Rio Dell | $2 50 |
| Best specimen of penmanship | W. H. Crawford | Eureka | $4 00 |
| Second best specimen of penmanship | John A. Lane | Fortuna | $2 00 |
| Best display of canary birds in cage | Miss L. Reynolds | Ferndale | $5 00 |
| Second best display of canary birds in cage | Mrs. M. T. Baker | Ferndale | $2 50 |

## JUVENILE DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best patchwork | Miss M. Davenport | Ferndale | $1 00 |
| Second best | Miss L. Bryant | Rohnerville | $0 50 |
| Best hand-sewing | Miss M. Davenport | Ferndale | $1 00 |
| Second best | Miss Mills | Ferndale | $0 50 |
| Best crochet work | Miss Mills | Ferndale | $1 00 |
| Best toilet set | Miss H. Thompson | Rohnerville | $1 00 |
| Second best | Miss A. Hunter | Petrolia | $0 50 |
| Best air castle | Miss M. Woolridge | Ferndale | $1 00 |
| Second best | Miss J. Hamner | Ferndale | $0 50 |
| Best hanging basket | Miss M. Woolridge | Ferndale | $1 00 |
| Best pencil drawing | Chas. Southerland | Eureka | $2 00 |
| Best map drawing | Miss Offie Pape | Arcata | $2 00 |
| Best specimen of penmanship | John A. Lane | Fortuna | $4 00 |

## LADIES' EQUESTRIANSHIP.

| Position. | Name. | Address. | Award. |
|---|---|---|---|
| Second best | Miss Rena Bonstell | Eureka | $2 00 |
| Best lady rider | Mrs. Minor | Ferndale | $15 00 |
| Second best | Mrs. Soper | Ferndale | $10 00 |
| Third best | Miss L. Kay | Rohnerville | $5 00 |

# SPEED PROGRAMME.

TUESDAY, SEPTEMBER 25, 1888.

RACE No. 1—RUNNING.

Free for all saddle horses owned in the district, having no record under fifty-eight seconds. Horses entered for other than saddle races barred. Purse, thirty dollars. First horse, twenty dollars; second, ten dollars. Catch weights. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sleepy John | W. G. Graham | Eureka. |
| Susie D | L. Hunt | Eureka. |
| Pat | Charles Moore | Rohnerville. |
| Linda Connor | T. J. Knight | Beatrice. |
| Cricket | Steve McKee | Petrolia. |
| Compromise | A. Ironmonger | Ferndale. |
| Combination | F. S. Watson | Ferndale. |

SUMMARY.

| | |
|---|---|
| Susie D | 1 1 |
| Linda Connor | 2 2 |
| Combination | dis. |

*Time*—0:55; 0:55¼.

RACE No. 2—RUNNING.

Purse, seventy-five dollars. First horse, fifty dollars; second, twenty-five dollars. Quarter-mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Edith R | H. C. Ransom | Crescent City. |
| Stoneman | T. J. Knight | Beatrice. |
| Black Bess | George Crippen | Petrolia. |
| Johnny D | J. D. Dougherty | Petrolia. |

SUMMARY.

| | |
|---|---|
| Edith R | 1 |
| Black Bess | 2 |
| Stoneman | 3 |
| Johnny D | 4 |

*Time*—0:23½.

WEDNESDAY, SEPTEMBER 26, 1888.

RACE NO. 3—TROTTING.

3:00 Class. Purse, one hundred and fifty dollars. First horse, one hundred dollars; second, fifty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy Hayward | R. Noble | Fortuna. |
| Johnny Moor | S. Douglass | Rohnerville. |
| Prince Hayward | P. H. Quinn | Eureka |

SUMMARY.

| | |
|---|---|
| Daisy Hayward | 1 1 |
| Prince Hayward | 2 2 |
| Johnny Moor | dr. |

*Time*—3:08; 3:08½.

RACE NO. 4—TROTTING.

For two-year olds. Purse, one hundred and twenty-five dollars. First horse, eighty-five dollars; second, forty-five dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Posse | W. F. Eby | Rohnerville. |
| Dandy Moor | R. Noble | Fortuna. |
| Johnny Moor | S. Douglass | Rohnerville. |

SUMMARY.

| | |
|---|---|
| Johnny Moor | 1 1 |
| Posse | 2 2 |
| Dandy Moore | dr. |

*Time*—3:18; 3:15.

RACE NO. 5—RUNNING.

Free for all. Purse, one hundred and fifty dollars. First horse, one hundred dollars; second, fifty dollars. Three fourths of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Thunderbolt | S. B. Barnes | Ferndale. |
| Gray Eagle | H. C. Ransom | Crescent City. |
| Harry B | A. H. Knight | Beatrice. |
| Maria | T. J. Knight | Beatrice. |
| Stoneman | T. J. Knight | Beatrice. |
| Whynot | H. S. Hogoboom | Rohnerville. |
| Amy B | W. H. E. Smith | Rohnerville. |

SUMMARY.

| | |
|---|---|
| Stoneman | 1 1 |
| Amy B | 2 3 |
| Harry B | 4 2 |
| Gray Eagle | 3 dis. |
| Thunderbolt | 5 dis. |

*Time*—1:20¾; 1:19.

THURSDAY, SEPTEMBER 27, 1888.

RACE No. 6—TROTTING.

2:45 Class. Purse, one hundred and seventy-five dollars. First horse, one hundred and twenty dollars; second, fifty-five dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy Hayward | R. Noble | Fortuna. |
| Electric | T. F. Ricks | Eureka. |
| Bert Holmes | Robert Holmes | Eureka. |
| Silver Shield | A. A. Frank | Rohnerville. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Electric | 1 | 0 | 2 | 2 | 1 | 1 |
| Bert Holmes | 2 | 0 | 1 | 1 | 2 | 2 |
| Silver Shield | 3 | 3 | 3 | 3 | | |

*Time*—2:42¾; 2:43½; 2:43½; 2:42; 2:43; 2:44¼.

RACE No. 8—RUNNING.

Purse, one hundred dollars. First horse, seventy dollars; second, thirty dollars. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Edith R | H. C. Ransom | Crescent City. |
| Stoneman | T. J. Knight | Beatrice. |
| White-eye Tom | J. Goff | Fortuna. |

SUMMARY.

| | | |
|---|---|---|
| Stoneman | 0 | 1 1 |
| Edith R | 0 | 2 2 |

*Time*—0.53½; 0:54.

RACE No. 9—TROTTING.

Ferndale Merchant Stake, for buggy horses owned in Ferndale prior to June 1, 1888. No horse allowed to enter that has been trained or driven on a race track in 1888. All horses to be driven to cart. Five to enter, and three to start. First horse, twenty dollars; second, five dollars; third to save entrance fee. Two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Totten | G. M. Brice | Ferndale. |
| Pearl | P. W. Robarts | Ferndale. |
| Restless | R. W. Robarts | Ferndale. |
| Senator | J. T. Robarts | Ferndale. |
| Poscora Hayward, Jr. | D. McGregor | Ferndale. |
| Racquette | J. Dungan | Ferndale. |

SUMMARY.

| | | |
|---|---|---|
| Racquette | 1 | 1 |
| Poscora Hayward, Jr. | 2 | 2 |
| Totten | 3 | 5 |
| Restless | 5 | 3 |
| Pearl | 4 | 4 |
| Senator | 6 | 6 |

*Time*—3:02; 2:56½.

FRIDAY, SEPTEMBER 28, 1888.

SPECIAL RACE—RUNNING.

For three-year olds. Purse, seventy-five dollars. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Roan Dick | Geo. Crippen | Petrolia. |
| Patsy | W. Bryant | Petrolia. |
| Black Pet | F. S. Watson | Petrolia. |

SUMMARY.

Black Pet ..... 1
Roan Dick ..... 2
Patsy ..... 3

*Time*—0:53½.

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RACE No. 10—RUNNING.

Free for all. Purse, one hundred and fifty dollars. First horse, one hundred dollars; second, fifty dollars. One and one fourth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Thunderbolt | I. B. Barnes | Ferndale. |
| Harry B | A. H. Knight | Beatrice. |
| Maria | T. J. Knight | Beatrice. |
| Whynot | H. S. Hogoboom | Rohnerville. |
| Amy B | W. H. E. Smith | Rohnerville. |

SUMMARY.

Whynot ..... 1
Amy B ..... 2
Harry B ..... 3
Thunderbolt ..... 4
Maria ..... 5

*Time*—2:21¼.

---

RACE No. 11—TROTTING.

Free for all. Purse, three hundred and fifty dollars. First horse, two hundred dollars; second, one hundred dollars; third, fifty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Idaho Patchen | T. J. Knight | Beatrice. |
| Poscora Hayward | W. H. E. Smith | Rohnerville. |

Poscora Hayward withdrawn on account of lameness.

RACE NO. 7—TROTTING.

For three-year olds. Purse, one hundred and twenty-five dollars. First horse, eighty-five dollars; second, forty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy Hayward | R. Noble | Fortuna. |
| Silver Shield | A. A. Frank | Rohnerville. |
| Prince Hayward | P. H. Quinn | Eureka. |

SUMMARY.

| | | |
|---|---|---|
| Daisy Hayward | 1 | 1 |
| Silver Shield | 2 | 2 |

*Time*—2:51; 2:48.

RACE NO. 12—RUNNING.

Free for all. Purse, one hundred and fifty dollars. First horse, one hundred dollars; second, fifty dollars. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gray Eagle | H. C. Ransom | Crescent City. |
| Stoneman | T. J. Knight | Beatrice. |

SUMMARY.

| | | |
|---|---|---|
| Stoneman | 1 | 1 |
| Gray Eagle | 2 | 2 |

*Time*—0:52¼; 0:54½.

# TRANSACTIONS

OF THE

# TENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Siskiyou, Shasta, and Trinity.

# OFFICERS OF THE ASSOCIATION.

WILLIAM McCONNELL (died during second day of the fair) ..... President.
DIRECTOR JAMES VANCE chosen to fill vacancy as President.
CLARENCE S. SMITH ..... Secretary.
MAURICE RENNER ..... Treasurer.

## DIRECTORS.

WILLIAM McCONNELL ..... Yreka, Siskiyou County.
JAMES VANCE ..... Yreka, Siskiyou County.
JOHN V. BROWN ..... Yreka, Siskiyou County.
S. MAGOFFEY ..... Yreka, Siskiyou County.
L. SWAN ..... Yreka, Siskiyou County.
JOHN T. MOXLEY ..... Oro Fino, Siskiyou County.
FRED. ZARLE ..... Weaverville, Trinity County.
E. A. REID ..... Redding, Shasta County.

# REPORT.

YREKA, December 31, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Tenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

CLARENCE S. SMITH, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | | |
|---|---|---|---|
| January 1—Balance cash on hand | | $501 86 | |
| February 12—Contra credit: Paid M. Renner's note and interest due | $422 90 | | |
| February 12—Contra credit: Paid additional bills, amounting to | 80 02 | | |
| | | 502 92 | |
| Balance overdraft | | | $1 06 |
| March 15—Borrowed from Siskiyou Agricultural Society | | $135 00 | |
| March 15—Balance in treasury | | 133 94 | |
| September 28—Received from sale of privileges | | 200 00 | |
| September 29—Nomination fees | | 265 00 | |
| October 2 to 6—Final entry fees | | 540 00 | |
| October 2 to 6—Entry fees on stock | | 68 00 | |
| October 2 to 6—Subscription | | 375 00 | |
| October 2 to 6—Gate receipts | | 415 00 | |
| October 2 to 6—Bar receipts | | 484 00 | |
| October 2 to 6—Grand stand receipts | | 37 00 | |
| October 2 to 6—Pavilion door receipts | | 42 00 | |
| October 2 to 6—Pavilion badges | | 27 50 | |
| October 2 to 6—Membership badges | | 230 00 | |
| October 2 to 6—Percentage on pools | | 141 50 | |
| October 2 to 6—Wagon licenses | | 55 00 | |
| October 2 to 6—Third money, Races No. 7 and 9 | | 25 00 | |
| October 2 to 6—Sundry resources | | 21 00 | |
| December 10—State warrant | | 1,000 00 | |
| | | | 4,059 94 |

*Expenditures.*

| | | | |
|---|---|---|---|
| October 3 to 6—Paid purses to the amount of | | $1,975 00 | |
| October 6 to 31—Paid bills to the amount of | | 853 40 | |
| October 31—Paid for printing and advertising | | 136 80 | |
| October 6 to 31—Returned entry fees | | 78 00 | |
| December 10—Paid additional bills to the amount of | | 198 80 | |
| December 10—Paid premiums to the amount of | | 840 00 | |
| December 10—Paid Secretary's salary | | 75 00 | |
| | | | $4,157 00 |
| Total expenditures | | | $4,157 00 |
| Total receipts | | | 4,059 94 |
| Balance overdrawn, due Treasurer | | | $97 06 |
| Amount due Siskiyou Agricultural Society | | | 133 94 |
| Total indebtedness | | | $231 00 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS II—GRADED HORSES. | | |
| Prince, best two-year old stallion | J. Fairchilds | Butte Creek. |
| CLASS IV—DRAFT HORSES. | | |
| Comet, best stallion | Randle & Cox | Yreka. |
| Bruce, best stallion | J. Fairchilds | Butte Creek. |
| Grant, best stallion | James Bryant | Fort Jones. |
| Queen, best mare | Frock Bros. | Yreka. |
| Maud, best mare | Rader Bros. | Little Shasta. |
| CLASS V—ROADSTERS AND ROADSTER TEAMS. | | |
| Admar, best roadster stallion | S. D. Prather | Montague. |
| Susie H, best roadster mare or gelding | L. Swan | Yreka. |
| Sisson Jim, best roadster gelding or mare | J. E. McDowell | Sisson. |
| Effie and Aggie, best roadster team | James Vance | Yreka. |
| Sleepy Kate, best roadster mare with three colts | L. Swan | Yreka. |
| Lenora, best roadster mare with three colts | S. D. Prather | Montague. |
| CLASS VII—SADDLE HORSES. | | |
| Bob, best saddle horse | W. H. McNames | Little Shasta. |
| CLASS VIII—COLTS. | | |
| Arguenot, best two-year old | Rader Bros. | Little Shasta. |
| Lochinvar, best two-year old | S. D. Prather | Montague. |
| Omar, best one-year old | S. D. Prather | Montague. |
| CLASS IX—JACKS AND MULES. | | |
| Black Warrior, best jack | J. Fairchilds | Butte Creek. |
| Beck and Jule, best pair of mules | S. D. Prather | Montague. |

## SECOND DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—CATTLE—THOROUGHBREDS. | | |
| Charger, best Aberdeen Angus bull | S. D. Prather | Montague. |
| Tonatial, best Holstein bull | H. L. Davis | Little Shasta. |
| Fanciful, best Holstein cow | H. L. Davis | Little Shasta. |
| Lily, best Jersey cow | A. Lee | Yreka. |
| Daisy, best Jersey cow | Frock Bros. | Yreka. |
| CLASS II—SWEEPSTAKES. | | |
| Charger, best bull of any age or stock | S. D. Prather | Montague. |
| Tonatial, best bull of any age or stock | H. L. Davis | Little Shasta. |
| Fanciful, best cow of any age or stock | H. L. Davis | Little Shasta. |
| Rose, best cow of any age or stock | S. D. Prather | Montague. |
| Cherry, best cow of any age or stock | Frock Bros. | Yreka. |
| Cleveland, best calf of any age or stock | S. D. Prather | Montague. |
| Siskiyou, best calf of any age or stock | H. L. Davis | Little Shasta. |

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II—GRADED HORSES. | | | |
| Prince, stallion, two years old | J. A. Fairchild | Butte Creek | $25 00 |
| CLASS IV—DRAFT HORSES. | | | |
| Grant, stallion | James Bryant | Fort Jones | $20 00 |
| CLASS V—ROADSTERS AND ROADSTER TEAMS. | | | |
| Susie H | L. Swan | Yreka | $20 00 |
| CLASS VII—SADDLE HORSES. | | | |
| Bob | W. H. McNames | Little Shasta | $5 00 |
| CLASS VIII—COLTS. | | | |
| Lochinvar, two years old | S. D. Prather | Montague | $10 00 |
| Omar, one year old | S. D. Prather | Montague | $5 00 |
| CLASS IX—JACKS AND MULES. | | | |
| Beck and Jule, pair of mules | S. D. Prather | Montague | $20 00 |
| Black Warrior, jack | J. H. Fairchilds | Butte Creek | $35 00 |

## SECOND DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—CATTLE—THOROUGHBREDS. | | | |
| Charger, Aberdeen Angus bull | S. D. Prather | Montague | $25 00 |
| Tonatial, Holstein bull | H. L. Davis | Little Shasta | $25 00 |
| Fanciful, Holstein cow | H. L. Davis | Little Shasta | $15 00 |
| Lily, Jersey cow | A. Lee | Yreka | $15 00 |
| CLASS II—(OF ANY AGE OR STOCK)—SWEEPSTAKES. | | | |
| Tonatial, bull | H. L. Davis | Little Shasta | $25 00 |
| Fanciful, cow | H. L. Davis | Little Shasta | $15 00 |
| Cleveland, calf | S. D. Prather | Montague | $10 00 |

## FIFTH DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| POULTRY. | | | |
| Pair of Bantam chickens | J. E. Pashburg | Yreka | $2 00 |
| Pair of Leghorn chickens | Bonner McConnell | Yreka | $2 00 |
| Pair of Plymouth Rock chickens | Bonner McConnell | Yreka | $2 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—MACHINERY, IMPLEMENTS, ETC. | | | |
| Best family carriage | Nehrbass & Harmon | Yreka | $10 00 |
| Best delivery wagon (special) | Nehrbass & Harmon | Yreka | $5 00 |
| Best skeleton wagon (special) | Nehrbass & Harmon | Yreka | $5 00 |
| Best top buggy (sold for $300) | Swan & Lemay | Yreka | $8 00 |
| Best farm wagon | Swan & Lemay | Yreka | $8 00 |
| CLASS II—MECHANICAL PRODUCTIONS. | | | |
| Best display of saddles | Henry Ringe | Yreka | $8 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| NEEDLEWORK, WAXWORK, CLOTHING, ETC. | | | |
| Best boys' suit, hand made | Mrs. B. T. Butler | Montague | $2 50 |
| Best log cabin quilt | Mrs. B. T. Butler | Montague | $2 50 |
| Best crazy sofa pillow | Miss Emma Davis | Little Shasta | $2 50 |
| Best outlined pillow shams | Miss M. Pashburg | Yreka | $1 00 |
| Best knit lace | Miss M. Pashburg | Yreka | $1 50 |
| Best ottoman cover | Miss Emily Iunker | Yreka | $2 00 |
| Best worsted sofa pillow | Miss Emily Iunker | Yreka | $2 00 |
| Best fancy hand braiding | Miss Emily Iunker | Yreka | $2 00 |
| Best hand tucking | Miss Dora Iunker | Yreka | $2 00 |
| Best embroidery (toilet set) | Miss Dora Iunker | Yreka | $2 00 |
| Best picture (worsted work) | Miss Dora Iunker | Yreka | $2 00 |
| Best ornamental grasses | Miss Dora Iunker | Yreka | $2 00 |
| Best cotton crochet | Mrs. C. H. Iunker, Jr. | Yreka | $2 00 |
| Best machine sewing | Mrs. C. H. Iunker, Jr. | Yreka | $2 00 |
| Best kensington work | Mrs. C. H. Iunker, Jr. | Yreka | $2 00 |
| Best linen embroidery (pillow sham) | Mrs. C. H. Iunker, Jr. | Yreka | $2 00 |
| Best ornamental flowers | Mrs. C. H. Iunker, Jr. | Yreka | $2 00 |
| Best knit worsted lambrequin | Miss M. Pashburg | Yreka | $2 00 |
| Best moss rug | Mrs. D. Merrick | Yreka | $2 00 |
| Best drawn rug | Miss Bertha Koster | Hawkinsville | $2 00 |
| Best wax flowers | Miss Sophie Koster | Hawkinsville | $2 50 |
| Best specimen wax work | Miss Sophie Koster | Hawkinsville | $2 50 |
| Best display of millinery | Mrs. C. Iffland | Yreka | $5 00 |
| Best rag carpet, fifty yards | Mrs. M. Hetschell | Yreka | $2 50 |
| Best fancy knit lace | Mrs. M. Hetschell | Yreka | $1 50 |
| Best linen worsted bib | Miss M. Hetschell | Yreka | $2 00 |
| Best cotton crochet | Miss E. Hetschell | Yreka | $1 50 |
| Best braided saddle blanket | Miss G. Hetschell | Yreka | $2 00 |
| Best worsted crochet | Miss M. Hetschell | Yreka | $2 00 |
| Best zephyr crochet shawl | Miss Minnie Hoyt | Little Shasta | $2 50 |
| Best hair work | Miss Minnie Hoyt | Little Shasta | $2 00 |
| Best patchwork quilt | Miss Minnie Hoyt | Little Shasta | $2 50 |
| Best needlework on plush | Miss Emily Iunker | Yreka | $2 50 |
| Fine display of woolen goods* | Ashland Woolen Mill | Ashland, Oregon | |

*Special recommendation, but not eligible.

## EIGHTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| BREAD, BUTTER, CAKE, PRESERVES, JELLY, ETC. | | | |
| Best gooseberry jam | Miss May Griseza | Montague | $1 50 |
| Best fresh plums | Miss May Griseza | Montague | $1 00 |
| Best grape jelly | Mrs. Jas. Vance | Yreka | $1 50 |
| Best currant jelly | Miss Emma Davis | Little Shasta | $1 50 |
| Best Hungarian plum jelly | Miss Emma Davis | Little Shasta | $1 50 |
| Best apple jelly | Miss Emma Davis | Little Shasta | $1 50 |
| Best apricot jelly | Miss Emma Davis | Little Shasta | $1 50 |
| Best piccalilli | Miss Emma Davis | Little Shasta | $1 00 |
| Best Chili sauce | Miss Emma Davis | Little Shasta | $1 00 |
| Best grape catsup | Miss Emma Davis | Little Shasta | $1 50 |
| Best blackberry jam | Miss Emma Davis | Little Shasta | $1 50 |
| Best pepper sauce | Miss Emma Davis | Little Shasta | $1 00 |
| Best fresh apricots | Miss Emma Davis | Little Shasta | $1 00 |
| Best quince preserves | Miss Emma Davis | Little Shasta | $1 00 |
| Best pear preserves | Miss Emma Davis | Little Shasta | $1 00 |
| Best crabapple preserves | Miss Emma Davis | Little Shasta | $1 50 |
| Best wild plum preserves | Miss Emma Davis | Little Shasta | $1 50 |
| Best grape preserves | Miss Emma Davis | Little Shasta | $1 50 |
| Best dried German prunes | Mrs. H. L. Davis | Little Shasta | $1 00 |
| Best dried corn | Mrs. H. L. Davis | Little Shasta | $1 00 |
| Best dried almonds | Mrs. H. L. Davis | Little Shasta | $1 00 |
| Best dried apples | Mrs. H. L. Davis | Little Shasta | $1 00 |
| Best fresh Hungarian plums | Mrs. H. L. Davis | Little Shasta | $1 00 |
| Best fresh peaches | Mrs. C. Iffland | Yreka | $1 00 |
| Best dried apricots | Mrs. N. D. Julian | Shasta Valley | $1 00 |
| Best dried peaches | Mrs. N. D. Julian | Shasta Valley | $1 00 |
| Best dried nectarines | Mrs. N. D. Julian | Snasta Valley | $1 00 |
| Best dried pears | Mrs. N. D. Julian | Shasta Valley | $1 00 |
| Best quince jelly | Mrs. N. D. Julian | Shasta Valley | $1 50 |
| Best fresh cherries | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh crabapples | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh tomatoes | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh gooseberries | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh blackberries | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh prunes | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh wild plums | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh peaches | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh Hungarian plums | Mrs. J. Pashburg | Yreka | $1 00 |
| Best fresh wild cherries | Mrs. J. Pashburg | Yreka | $1 00 |
| Best tomato preserves | Mrs. J. Pashburg | Yreka | $1 00 |
| Best peach jelly | Mrs. J. Pashburg | Yreka | $1 50 |
| Best apricot preserves | Miss Dora Iunker | Yreka | $1 00 |
| Best blackberry jam | Miss Dora Iunker | Yreka | $1 50 |
| Best cherry jelly | Mrs. C. A. Iunker, Jr. | Yreka | $1 50 |
| Best plum jelly | Mrs. M. Hetschell | Yreka | $1 50 |
| Best jelly cake | Mrs. M. Hetschell | Yreka | $2 50 |
| Best plain cake | Mrs. M. Hetschell | Yreka | $2 50 |
| Best chocolate cake | Mrs. M. Hetschell | Yreka | $2 50 |
| Best raised bread | Mrs. M. Hetschell | Yreka | $2 50 |
| Best peach preserves | Mrs. W. McConnell | Yreka | $1 00 |
| Best fresh cherries | Mrs. W. McConnell | Yreka | $1 00 |
| Best raspberry jelly | Mrs. W. McConnell | Yreka | $1 50 |
| Best blackberry jelly | Mrs. W. McConnell | Yreka | $1 50 |
| Best wild plum jelly | Mrs. W. McConnell | Yreka | $1 50 |
| Best raspberry jam | Mrs. W. McConnell | Yreka | $1 50 |
| Best pickle peaches | Mrs. W. McConnell | Yreka | $1 00 |
| Best crabapple jelly | Mrs. W. McConnell | Yreka | $1 50 |
| Best mangoes | Mrs. W. McConnell | Yreka | $1 00 |
| Best tomato catsup | Mrs. G. A. Nordheim | Yreka | $1 00 |
| Best pickled cucumbers | Miss Minnie Hoyt | Little Shasta | $1 00 |

## NINTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| JUVENILE—UNDER FIFTEEN YEARS OF AGE. | | | |
| Best hand sewing | Miss A. Coonrod | Little Shasta | $2 50 |
| Best hand knit skirt | Miss A. Coonrod | Little Shasta | $2 50 |
| Best specimen wood work | Willie Griseza | Little Shasta | $2 00 |
| Best honeycomb tidy | Willie Griseza | Little Shasta | $1 00 |
| Best bead work | Willie Griseza | Little Shasta | $1 00 |
| Best etching tidy | Miss Mable Vance | Yreka | $1 50 |
| Best etching scarf | Miss Julia Swan | Yreka | $1 50 |
| Best worsted work | Miss Julia Swan | Yreka | $1 50 |
| Best chenille embroidery | Miss Nellie Iunker | Yreka | $1 50 |
| Best shell work | Miss Nellie Iunker | Yreka | $1 50 |
| Best silk worsted work | Miss Nellie Iunker | Yreka | $1 00 |
| Best patchwork | Miss Nellie Iunker | Yreka | $1 00 |
| Best Java canvas tidy | Miss Nellie Iunker | Yreka | $1 00 |
| Best shade tidy | Miss D. Pashburg | Yreka | $1 00 |
| Best crochet lace | Miss D. Pashburg | Yreka | $1 50 |
| Best honeycomb canvas tidy | Miss E. Pashburg | Yreka | $1 00 |
| Best cotton crochet | Miss E. Pashburg | Yreka | $1 00 |
| Best cotton tidy | Miss E. Pashburg | Yreka | $1 00 |
| Best crochet collar | Miss M. Hetschell | Yreka | $1 00 |
| Best worsted crochet skirt | Miss M. Hetschell | Yreka | $1 50 |
| Best grape jelly | Miss Julia Swan | Yreka | $1 50 |
| Best blue plum jelly | Miss Julia Swan | Yreka | $1 50 |
| Best crabapple jelly | Miss Julia Swan | Yreka | $1 50 |
| Best green tomato pickles | Miss Julia Swan | Yreka | $1 00 |
| Best pickled onions | Miss D. Pashburg | Yreka | $1 00 |
| Best raised bread | Miss N. Iunker | Yreka | $2 50 |
| Best raised biscuit | Miss N. Iunker | Yreka | $2 50 |
| Best cocoanut cake | Miss D. Pashburg | Yreka | $2 50 |
| Best walnut cake | Miss E. Pashburg | Yreka | $2 50 |
| Best wild cherry butter | Miss E. Pashburg | Yreka | $1 00 |
| Best white grape jelly | Miss E. Pashburg | Yreka | $1 50 |
| Best blue plum jelly | Miss E. Pashburg | Yreka | $1 50 |
| Best oil painting on wood | Miss M. Iffland | Yreka | $5 00 |
| Best hand painting on china | Miss M. Iffland | Yreka | $5 00 |
| Best painted rice frame | Miss N. Iunker | Yreka | $2 50 |
| Best crystallized flowers | Miss N. Iunker | Yreka | $2 50 |
| Best oil plaque painting | Miss N. Iunker | Yreka | $2 50 |
| Best specimen of penmanship | Miss C. Helschell (sixteen years) | Yreka | $2 00 |
| Best specimen of penmanship | Miss M. Helschell (twelve years) | Yreka | $2 00 |
| Best specimen of penmanship | Miss D. Pashburg (ten years) | Yreka | $2 00 |
| Best specimen of penmanship | Master P. Harmon (thirteen years) | Yreka | $2 00 |
| Best specimen of penmanship | Master H. Merrick (eleven years) | Yreka | $2 00 |

## TENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| AGRICULTURAL PRODUCTS. | | | |
| Best barley, fifty pounds | H. L. Davis | Little Shasta | $5 00 |
| Best wheat, fifty pounds | C. Griseza | Little Shasta | $5 00 |
| Best cheese, fifty pounds | J. H. Whetmore | Etna Mills | $5 00 |
| Best flour, fifty pounds | Vance & Walbridge | Yreka | $5 00 |
| Best chestnuts | G. W. Julian | Shasta Valley | $1 50 |
| Best table beets | Antone Foster | Hawkinsville | $2 50 |
| Best table carrots | Antone Foster | Hawkinsville | $2 50 |
| Best cabbage | Antone Foster | Hawkinsville | $2 50 |
| Best peerless potatoes | Antone Foster | Hawkinsville | $5 00 |

TENTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best sweet potatoes | Antone Foster | Hawkinsville | $2 50 |
| Best display of vegetables | R. E. Rader | Little Shasta | $5 00 |
| Best cucumbers | Mrs. M. Lewis | Montague | $2 00 |
| Best mammoth squash | Mrs. M. Lewis | Montague | $2 00 |
| Best watermelons | Mrs. M. Lewis | Montague | $2 00 |
| Best three varieties of potatoes | Perry Hoyt | Little Shasta | $2 50 |
| Best display of squash | Perry Hoyt | Little Shasta | $2 50 |

## ELEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| WINES, ETC.; GREEN FRUIT, ETC. | | | |
| Best display of fruit | D. N. Julian | Shasta Valley | $5 00 |
| Best ten varieties of apples | D. N. Julian | Shasta Valley | $5 00 |
| Best variety of pears | Henry Scheld | Yreka | $2 50 |
| Best variety of plums | Henry Scheld | Yreka | $2 50 |
| Best three varieties of apples | Sam. Jackson | Edgewood | $3 00 |
| Best display of peaches | Perry Hoyt | Little Shasta | $2 50 |
| Best currant wine | Mrs. G. A. Nordheim | Yreka | $2 50 |

## TWELFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| FINE ARTS. | | | |
| Best charcoal drawing | Miss Aggie Vance | Yreka | $5 00 |
| Best pencil drawing | Miss Aggie Vance | Yreka | $5 00 |
| Best oil painting | Miss Aggie Vance | Yreka | $10 00 |
| Best tinted photographs | Miss Clara Hetschell | Yreka | $2 50 |

## FLORAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best cut flowers (first premium) | Miss Lena Fried | Yreka | $2 50 |
| Best cut flowers (second premium) | Mrs. D. N. Julian | Shasta Valley | $1 00 |
| Best house plant (first premium) | Mrs. C. A. Iunker, Jr. | Yreka | $5 00 |
| Best house plant (second premium) | Mrs. D. Merrick | Yreka | $2 50 |

# SPEED PROGRAMME.

WEDNESDAY, OCTOBER 3, 1888.

RACE NO. 1—RUNNING.

Purse, one hundred dollars. First horse to receive seventy per cent; second horse to receive twenty per cent; third horse to receive ten per cent of purse. Entrance, ten per cent of purse. Nominations close Saturday, September 29, 1888. The conditions of all the races of this meeting are the same, except specials. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Cap, b. g. | J. W. Dowell | |
| Bones, s. g. | Ed. Lee | Alturas. |
| Bessie Burk, b. m. | Charles Howard | Fort Jones. |
| Minnie R, b. m. | E. Flitner | Yreka. |

SUMMARY.

| | | | |
|---|---|---|---|
| Little Cap | 0 | 1 | 1 |
| Bessie Burk | 0 | 2 | 3 |
| Bones | 3 | 4 | 4 |
| Minnie R | 4 | 3 | 2 |

*Time*—0:50; 0:51; 0:50.

RACE NO. 2—TROTTING.

3:00 Class. Purse, one hundred and fifty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lady W, br. m. | J. Sutherland | Yreka. |
| Stemwinder, b. g. | L. Swan | Yreka. |
| Queen, b. m. | Wm. Pinnell | Fort Jones. |

SUMMARY.

| | |
|---|---|
| Lady W | 1 |
| Stemwinder | dis. |

*Time*—2:33½.

RACE NO. 3—RUNNING.

Sweepstake. Special for saddle horses. Entrance, free. Purse, twenty-five dollars. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bob, b. g. | W. H. McNames | Little Shasta. |
| Webfoot, b. s. | H. De Witt | Little Shasta. |
| Satin, br. m. | C. R. Kinyon | Little Shasta. |

SUMMARY.

| | |
|---|---|
| Satin | 1 |
| Bob | 2 |
| Webfoot | 3 |

*Time*—0:55.

---

THURSDAY, OCTOBER 4, 1888.

RACE NO. 4—RUNNING.

Purse, two hundred dollars. One mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Menlo, blk. g. | M. McCrimmon | Lincoln. |
| Jubilee, s. g. | Joe Stephens | Etna Mills. |
| Bessie Burk | Charles Howard | Fort Jones. |

SUMMARY.

| | | | |
|---|---|---|---|
| Bessie Burk | 1 | 2 | 2 |
| Menlo | 2 | 1 | 1 |
| Jubilee | 3 | 3 | stabled. |

*Time*—1:48¾; 1:51; 1:54¾.

Bessie Burk was very lame, or she would have won the second heat and race.

---

RACE NO. 5—TROTTING.

2:35 Class. Purse, two hundred and fifty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bird, b. m. | W. R. Merrill | Willows. |
| Altena, blk. m. | L. Swan | Yreka. |
| Lady Beech, b. m. | J. Sutherland | Yreka. |
| Zelophone, b. s. | J. C. Evans | Yreka. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Altena | 1 | 1 | 0 | 1 |
| Bird | 3 | 2 | 0 | 3 |
| Zelophone | 2 | 3 | 3 | 2 |
| Lady Beech | 4 | 4 | 4 | 4 |

*Time*—2:33; 2:32; 2:32; 2:34.

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FRIDAY, OCTOBER 5, 1888.

RACE NO. 6—RUNNING.

For two-year olds. Purse, one hundred and fifty dollars. Three fourths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bluejay, r. m. | S. D. Prather | Montague. |
| Arch, b. g. | S. D. Prather | Montague. |
| Wild Robin, s. s. | Wm. Purnell | Fort Jones. |
| Jamboree, b. s. | Charles Howard | Fort Jones. |

SUMMARY

| | |
|---|---|
| Wild Robin | 1 |
| Jamboree | 2 |
| Arch | 3 |
| Bluejay | 4 |

*Time*—1:25.

---

RACE NO. 7—RUNNING.

Special purse, one hundred dollars. Three eighths of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Cap, b. g. | J. W. Dowell | |
| Barney G, b. g. | U. S. Gregory | Ione. |
| Bones, s. g. | Ed. Lee | Alturas. |
| Rubie, b. m. | Randle & Cox | Yreka. |

SUMMARY.

| | | |
|---|---|---|
| Barney G | 1 | 1 |
| Little Cap | 2 | 2 |
| Bones | 3 | 4 |
| Rubie | 4 | 3 |

*Time*—0:36¾; 0:38.

---

RACE NO. 8—TROTTING.

Free for all four-year olds owned in the district prior to May 1, 1888. Purse, one hundred and fifty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Susie H, b. m. | L. Swan | Yreka. |
| Effie V, b. m. | A. S. Mounte | Yreka. |
| Dick, g. g. | A. D. Richards | Yreka. |

SUMMARY.

| | | |
|---|---|---|
| Susie H | 1 | 1 |
| Effie V | 2 | 2 |

*Time*—2:53½; 2:51.

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RACE NO. 9—RUNNING.

Special purse, fifty dollars. One fourth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Barney G, b. g. | U. S. Gregory | Ione. |
| Frenchy, s. g. | Ed. Lee | Alturas. |
| Little Cap, b. g. | J. W. Dowell | |

SUMMARY.

| | |
|---|---|
| Barney G | 1 |
| Frenchy | 2 |
| Little Cap | 3 |

*Time*—0:23¼.

SATURDAY, OCTOBER 6, 1888.

RACE NO. 10—RUNNING.

Purse, one hundred dollars. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Minnie R, b. m. | E. Flitner | Yreka. |
| Jubilee, s. g. | Joseph Stephens | Etna. |
| Menlo, blk. g. | M. McCrimmon | Lincoln. |

SUMMARY.

| | |
|---|---|
| Minnie R | 1 |
| Jubilee | 2 |

*Time*—1:50¾.

RACE NO. 11—TROTTING.

2:30 Class. Purse, six hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bird, b. m. | W. R. Merrill | Willows. |
| Lady W, br. m. | Jas. Sutherland | Yreka. |
| Lohengrin, b. g. | J. W. Dowell | |
| Altena, blk. m. | L. Swan | Yreka. |

SUMMARY.

| | |
|---|---|
| Bird | 1 1 3 2 2 |
| Lady W | 2 2 2 dr. |
| Altena | 3 3 1 1 1 |
| Lohengrin | dis. |

*Time*—2:36; 2:31; 2:34; 2:35; 2:37.

RACE NO. 12—RUNNING.

Purse, fifty dollars. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Cap, b. g. | J. W. Dowell | |
| Joe Hooker, s. g. | Ed. Lee | Alturas. |
| Barney G, b. g. | U. S. Gregory | Ione. |

SUMMARY.

| | |
|---|---|
| Little Cap | 1 |
| Barney G | 2 |
| Joe Hooker | 3 |

*Time*, 0:49.

# TRANSACTIONS

OF THE

# ELEVENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Plumas, Sierra, Lassen, and Modoc.

# REPORT.

SUSANVILLE, December 27, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Eleventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

R. L. DAVIS, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Balance on hand, year 1887 | $1,925 74 | |
| Fair subscriptions | 6,050 00 | |
| Gate and door money | 2,431 75 | |
| Hack license | 51 00 | |
| Entrance to sweepstakes | 26 00 | |
| Entrance to races | 3,185 00 | |
| Back entrance, Rocket, due District No. 2 | 77 55 | |
| Deposit Chas. Sherman | 50 00 | |
| Back entrance, Overland Pat | 60 00 | |
| Back entrance, Wallace G | 136 80 | |
| Amount State warrant | 1,500 00 | |
| | | $15,493 84 |

*Expenditures.*

| | | |
|---|---|---|
| Expense of delegate to Convention of Associations at Sacramento | $50 00 | |
| Expense of Directors' meeting, May 5, 1888 | 96 00 | |
| Membership fee National Association | 56 30 | |
| Warrant in favor Jas. Dyson, premiums 1885 | 85 00 | |
| Expense of fair posters | 81 35 | |
| Expense of August meeting of Board | 140 00 | |
| Office expense, freight, postage, etc. | 42 10 | |
| Paid purses | 7,819 00 | |
| Paid premiums | 2,675 00 | |
| Paid music | 300 00 | |
| Paid materials for and erection of buildings on grounds | 656 00 | |
| Paid ball supper | 130 50 | |
| Paid incidentals (employés, laborers, etc., during fair) | 1,892 33 | |
| Paid deposit Dan. Dennison (Rocket), sent to Hartford | 77 55 | |
| Deposit Chas. Sherman returned | 50 00 | |
| Paid Thos. Keating car fare, two horses (Reno to Susanville) | 20 00 | |
| Balance on hand | 1,322 71 | |
| | | $15,493 84 |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS "A"—THOROUGHBRED HORSES—STALLIONS. | | | |
| Cousin Vic, three years old or over | Jas. Dyson | Summit | $30 00 |
| Collingwood, one year old | Jas. Dyson | Summit | $15 00 |
| Jo D, suckling colt | Jas. Dyson | Summit | $10 00 |
| MARES. | | | |
| Lucy, three years old or over | Jas. Dyson | Summit | $25 00 |
| CLASS "B"—DRAFT HORSES—PERCHERON—STALLIONS. | | | |
| Austin, three years old or over | I. C. Mapes | Janesville | $30 00 |
| DRAFT HORSES—GENERAL—STALLIONS. | | | |
| Young Royalty, three years old or over | M. Misenheimer | Taylorville | $20 00 |
| Madere, three years old or over | C. R. Suggett | Eagleville | $30 00 |
| Frank, one year old | L. E. Winchester | Susanville | $20 00 |
| Dick, suckling colt | A. E. De Forest | Susanville | $10 00 |
| MARES. | | | |
| Lucy, three years old or over | L. E. Winchester | Susanville | $25 00 |
| Daisy, three years old or over | I. C. Mapes | Janesville | $20 00 |
| Dolly, two years old | J. M. Cadle | Greenville | $20 00 |
| Lucy and colt | L. E. Winchester | Susanville | $20 00 |
| Jule and four colts | A. E. De Forest | Susanville | $25 00 |
| Maggie, suckling colt | S. S. Bass | Janesville | $10 00 |
| CLASS "C"—HORSES OF ALL WORK—STALLIONS. | | | |
| Jack, three years old or over | E. Van Laan | Madeline | $30 00 |
| George Patchen, three years old or over. | G. W. Long | Susanville | $15 00 |
| Gilbert, two years old | John Hulsman | Susanville | $20 00 |
| Mac, two years old | Sam. Bond | Janesville | $10 00 |
| French Boy, two years old (special prem.) | A. Babcock | Bieber | $10 00 |
| Hornet, one year old | E. P. Smith | Taylorville | $20 00 |
| Alcantara, one year old | J. O. Hember | Janesville | $10 00 |
| MARES. | | | |
| Queen, three years old or over | J. P. Sharp | Janesville | $25 00 |
| Nellie, three years old or over | Pat Bogin | Susanville | $20 00 |
| Lucy, two years old | Thos. Dennin | Mt. Meadows | $15 00 |
| Lady Maxwell, two years old | Ike Hall | Greenville | $10 00 |
| Lizzie K and suckling colt | W. P. Hall | Susanville | $20 00 |
| Lizzie K and two colts | W. P. Hall | Susanville | $30 00 |
| Mariah, one year old | J. M. Cadle | Greenville | $10 00 |
| Kate, suckling colt | C. Odette | Susanville | $10 00 |
| CLASS "D"—ROADSTERS—STALLIONS AND GELDINGS. | | | |
| Boylston, stallion, three years old or over | A. L. Tunison | Susanville | $25 00 |
| Doc Mason, stallion, three yrs. old or over | W. J. Seagraves | Susanville | $15 00 |
| Senator, gelding, three years old or over | E. P. Smith | Taylorville | $25 00 |
| Billy, gelding, three years old or over | K. McLeod | Greenville | $15 00 |
| Dan and Mc, span of geldings | Wm. Hardgrave | Taylorville | $25 00 |
| Span of roadsters | A. E. De Forest | Susanville | $15 00 |
| MARES. | | | |
| Bird, three years old or over | J. S. Carter | Crescent | $25 00 |
| Fanny, three years old or over | J. N. Barry | Janesville | $15 00 |
| Duchess, two years old | D. W. McKenzie | Greenville | $25 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS "E"—SWEEPSTAKES—STALLIONS. | | | |
| Madere, three years old or over | C. R. Suggett | Eagleville | $40 00 |
| CLASS "S"—JACKS. | | | |
| Cleveland, three years old or over | R. H. Blunkall | Cana | $20 00 |
| CLASS "T"—JENNIES. | | | |
| Lassen Beauty, three years old or over | W. R. Harrison | Susanville | $15 00 |
| CLASS "V"—MULES. | | | |
| Tobe, three years old or over | W. M. Cain | Susanville | Diploma. |
| CLASS "U"—BEST PULLING TEAMS. | | | |
| Span of geldings | J. C. Wemple | Milford | $25 00 |
| Span of mares | A. E. De Forest | Susanville | $15 00 |
| CLASS "F"—JERSEY CATTLE—BULLS. | | | |
| Alameda 4th, three years old or over | W. P. Hall | Susanville | $30 00 |
| Alameda 5th, calf | W. P. Hall | Susanville | $5 00 |
| COWS. | | | |
| Belle, three years old or over | W. P. Hall | Susanville | $20 00 |
| Jennie, three years old or over | W. P. Hall | Susanville | $15 00 |
| Bess, two years old | W. P. Hall | Susanville | $15 00 |
| Nellie, two years old | W. P. Hall | Susanville | $10 00 |
| Nellie 1st, calf | W. P. Hall | Susanville | $5 00 |
| CLASS "G"—DURHAM CATTLE—BULLS. | | | |
| Bimetallist, three years old or over | Moses Chase | Red Clover | $30 00 |
| King David's Plumas, three years old or over | I. Hall | Greenville | $20 00 |
| Jackson, two years old | J. W. Hasselkus | Susanville | $25 00 |
| CLASS "K"—GRADED CATTLE—BULLS. | | | |
| Prince, three years old or over | Thomas Watson | Susanville | $20 00 |
| Murro, three years old or over | S. S. Bass | Janesville | $15 00 |
| Blaine, two years old | Thomas Dennin | Mt. Meadows | $10 00 |
| Stonewall, one year old | W. M. Cain | Susanville | $10 00 |
| Golddust, one year old | I. Hall | Greenville | $5 00 |
| Prince, bull calf | Moses Chase | Red Clover | $5 00 |
| Harrison, bull calf | I. Hall | Greenville | $2 50 |
| COWS. | | | |
| Miss Willard, three years old or over | I. Hall | Greenville | $20 00 |
| Cherry, three years old or over | J. W. Glascock | Susanville | $15 00 |
| Queen, two years old | I. Hall | Greenville | $15 00 |
| Blossom, two years old | I. Hall | Greenville | $10 00 |
| White Lillie, one year old | I. Hall | Greenville | $10 00 |
| Rose, one year old | I. Hall | Greenville | $5 00 |
| Dora, calf | I. Hall | Greenville | $5 00 |
| Miss Cleveland, calf | I. Hall | Greenville | $2 50 |
| CLASS "L"—SWEEPSTAKES—BULLS. | | | |
| Bimetallist | Moses Chase | Red Clover | $40 00 |
| COWS. | | | |
| Miss Willard | I. Hall | Greenville | Diploma. |
| CLASS "M"—SHEEP. | | | |
| Dick, ram | J. R. Perkins | Susanville | $10 00 |
| Sally, ewe | J. R. Perkins | Susanville | $10 00 |
| Pen of four sheep | Chas. Lawson | Susanville | $10 00 |
| CLASS "N"—SWINE. | | | |
| John, Berkshire boar | J. W. Glascock | Susanville | $15 00 |
| Bess, Berkshire sow | J. W. Glascock | Susanville | $10 00 |
| Pen of five Berkshire pigs | J. W. Glascock | Susanville | $10 00 |
| Bess, Essex sow | C. E. Hart | Susanville | $10 00 |
| Billy, Poland-China boar | J. R. Cain | Susanville | $15 00 |
| Susie, Poland-China sow | J. R. Cain | Susanville | $5 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Bess, Poland-China sow | W. P. Hall | Susanville | $10 00 |
| Pen of three Poland-China pigs, nine weeks old | W. P. Hall | Susanville | $10 00 |
| Pen of five Poland-China pigs, five weeks old | J. R. Cain | Susanville | $5 00 |
| Joe, Duroc boar | W. P. Hall | Susanville | $15 00 |
| Jack, Duroc boar | W. P. Hall | Susanville | $10 00 |
| Eliza, Duroc sow | W. P. Hall | Susanville | $10 00 |
| Jane, Durock sow, and seven pigs | W. P. Hall | Susanville | $10 00 |
| Pen of seven Duroc pigs | W. P. Hall | Susanville | $5 00 |
| Pen of five Duroc pigs | W. P. Hall | Susanville | $10 00 |
| SWEEPSTAKES—BOARS. | | | |
| John | J. W. Glascock | Susanville | $20 00 |
| CLASS "O"—POULTRY. | | | |
| Trio of Plymouth Rocks | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Houdans | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Spanish | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of White Leghorns | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Wyandottes | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Buff Cochins | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Bronze turkeys | Mrs. W. P. Hall | Susanville | $5 00 |
| Trio of Brown Leghorns | Jerry Tyler | Millford | $5 00 |
| Trio of Langhans | Jerry Tyler | Millford | $5 00 |
| Trio of Bantams | C. W. Burnie | Susanville | $5 00 |
| Coop of four doves | Bertie Myers | Susanville | $2 00 |
| Best exhibit of fowls | Mrs. W. P. Hall | Susanville | $10 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS 1—HOUSEHOLD FABRICS. | | | |
| Patchwork quilt, silk | Mrs. C. E. Hall | Susanville | $3 50 |
| Pillow shams | Mrs. C. E. Hall | Susanville | $1 50 |
| Crochet slippers | Miss Amy McNealy | Greenville | $2 00 |
| Pillow cases | Miss Amy McNealy | Greenville | $2 00 |
| Knitted slippers | Miss Jessie McBeth | Prattville | $1 50 |
| Gents' shirt | Mrs. John McBeth | Prattville | $2 50 |
| Boys' shirt | Mrs. W. Ravenscroft | Susanville | $3 00 |
| Hand-made trimming | Mrs. W. Ravenscroft | Susanville | $1 00 |
| Fancy apron | Mrs. W. Ravenscroft | Susanville | $1 00 |
| Underclothes, rickrack trimming | Mrs. W. Ravenscroft | Susanville | $2 00 |
| Irish charm quilt | Mrs. Dan. Cramer | Susanville | $4 00 |
| Cheese cloth comfort | Mrs. Dan. Cramer | Susanville | $2 50 |
| Worsted tidy | Mrs. A. Otto | Susanville | $2 00 |
| Gents' shirt | Mrs. John Cahlan | Susanville | $1 00 |
| Drawn rug | Mrs. John Cahlan | Susanville | $3 00 |
| Stocking bag | Miss A. VanNorden | Susanville | $1 50 |
| Braided rug | Mrs. I. Hall | Greenville | $1 50 |
| Silk crib quilt | Mrs. Mary Hall | Susanville | $3 50 |
| Driving gloves, hand-made | Mrs. H. Snyder | Susanville | $1 50 |
| Set of underwear | Miss G. Phillips | Susanville | $2 00 |
| Pair of pillow slips | Miss G. Phillips | Susanville | $2 00 |
| Hand-made trimming skirt | Miss G. Phillips | Susanville | $2 00 |
| Two pair of pillow cases | Miss G. Phillips | Susanville | $1 00 |
| Apron, hand-make trimming | Mrs. McCrimmon | Susanville | $1 50 |
| Comfort, white canton | Mrs. Longanecker | Susanville | $2 50 |
| Tufted quilt | Mrs. Longanecker | Susanville | $2 50 |
| Rag carpet | Mrs. E. Lysinger | Susanville | $2 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Bed comforter | Mrs. E. Lysinger | Susanville | $2 00 |
| Knitted vest | Mrs. E. Lysinger | Susanville | $1 50 |
| Crazy quilt | Miss Addie Rose | Susanville | $5 00 |
| Knit comfort | Mrs. J. McCullum | Susanville | $2 00 |
| Knit rug | Mrs. H. Sifford | Susanville | $3 00 |
| Home-made soap | Mrs. H. Sifford | Susanville | $1 50 |
| Cotton tidy | Mrs. J. R. Bailey | Janesville | $2 00 |
| Patchwork quilt | Mrs. L. Woodstock | Susanville | $2 00 |
| Knit slippers | Mrs. E. Hasselkus | Greenville | $1 50 |
| Crib quilt, knit | Mrs. Frank Datla | Janesville | $2 00 |
| Crochet shawl | Mrs. Frank Datla | Janesville | $2 50 |
| Child's dress, crochet | Mrs. L. Lane | Susanville | $1 50 |
| Pair of knit socks | Mrs. L. W. Bunnell | Prattville | $1 00 |
| Knit bedspread | Mrs. L. W. Bunnell | Prattville | $4 00 |
| Knit skirt | Mrs. L. Sanders | Susanville | $1 50 |
| Patchwork quilt, silk | Mrs. Day | Susanville | $7 00 |
| Fancy rug | Mrs. Day | Susanville | $3 00 |
| Patchwork quilt | Miss Addie Rose | Susanville | $4 00 |
| Ten yards of rag carpet | Mrs. W. Brashear | Susanville | $5 00 |
| Slumber robe | Mrs. L. W. Skinner | Milford | $2 00 |
| Button rug | Mrs. J. Hasselkus | Susanville | $3 00 |
| Fancy knit stockings | Mrs. J. Lovell | Greenville | $1 50 |
| Rib stockings | Mrs. J. Lovell | Greenville | $1 00 |
| Crochet shawl | Mrs. A. Burnie | Susanville | $2 50 |
| Ladies' underwear | Mrs. Wm. Greehn | Susanville | $1 00 |
| Crazy quilt | Mrs. M. Williams | Susanville | $7 00 |
| Drawn rug | Mrs. John Cahlan | Susanville | $3 00 |
| Hemstitching | Mrs. B. F. Chandler | Quincy | $3 00 |
| Combing towel | Mrs. J. Broadwell | Janesville | $2 00 |
| Undershirt trimming | Mrs. O. L. Carter | Susanville | $2 00 |
| Pair of knitted slippers | Miss Jessie McBeth | Prattville | $1 00 |
| Child's dress, crochet | Mrs. L. Lane | Susanville | $2 00 |
| Tidy | Miss L. Hulsman | Susanville | $1 00 |
| Wreath | Mrs. Belle Tremain | Susanville | $2 00 |
| Worsted wreath | Mrs. Wm. Greehn | Susanville | $2 00 |
| Wax work | Mrs. M. Williams | Susanville | $2 00 |
| Flower cross | Mrs. S. J. Odette | Susanville | $1 50 |
| Agricultural wreath | Mrs. Day | Susanville | $2 00 |
| Tissue paper flowers | Mrs. H. Bennett | Susanville | $1 00 |
| Rustic flower stand | Mrs. C. J. Kelley | Susanville | $3 00 |
| Feather wreath | Mrs. J. Snell | Fall River | $2 00 |
| Sea moss basket | Mrs. A. Otto | Susanville | $2 00 |
| Rickrack trimming | Mrs. C. E. Hall | Susanville | $2 00 |
| Infant's knit shirt | Mrs. C. E. Hall | Susanville | $2 00 |
| Infant's knit drawers | Mrs. C. E. Hall | Susanville | $2 00 |
| Embroidered toilet set | Mrs. C. E. Hall | Susanville | $2 00 |
| Infant's sack | Mrs. L. Kaulback | Greenville | $2 00 |
| Child's dress | Mrs. L. Kaulback | Greenville | $1 50 |
| Fancy apron | Mrs. M. Leavitt | Greenville | $1 50 |
| Tidy, applique work | Mrs. M. Leavitt | Greenville | $1 50 |
| Skirt flounce (special) | Mrs. M. Leavitt | Greenville | $2 00 |
| Banner, kensington embroidery | Mrs. Clark Lee | Prattville | $5 00 |
| Spanish drawn work | Miss A. McNealy | Greenville | $1 50 |
| Feather stitching | Miss A. McNealy | Greenville | $2 00 |
| Toilet cushion | Mrs. T. Roseberry | Adin | $1 50 |
| Table scarf | Mrs. T. Roseberry | Adin | $2 00 |
| Wall banner | Mrs. T. Roseberry | Adin | $2 00 |
| Bead work | Miss Lizzie Doyle | Milford | $2 00 |
| Display of cloaks | Mrs. J. D. Compton | Greenville | Sp. ment. |
| Fancy chair cushion | Mrs. M. Williams | Susanville | $2 00 |
| Embroidered chenille jacket | Mrs. M. Williams | Susanville | $2 50 |
| Antique trimming | Miss L. McCloskey | Susanville | $2 00 |
| Tatting | Mrs. R. F. Moody | Susanville | $2 00 |
| Knit collar | Mrs. G. DeForest | Susanville | $1 50 |
| Macrame work | Mrs. John Cahlan | Susanville | $1 50 |
| Key rack | Mrs. John Cahlan | Susanville | $1 00 |
| Brush holder | Mrs. John Cahlan | Susanville | $1 00 |
| Table applique work | Mrs. John Cahlan | Susanville | $3 00 |
| Worsted knitting | Mrs. I. Hall | Greenville | $1 00 |
| Work basket | Mrs. H. Snyder | Susanville | $1 50 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Spectacle case | Mrs. H. Snyder | Susanville | $1 00 |
| Tidies, outline | Miss G. Phillips | Susanville | $2 00 |
| Toilet work, drawn | Miss G. Phillips | Susanville | $3 00 |
| Table set, crochet | Miss G. Phillips | Susanville | $2 00 |
| Hanging basket | Mrs. Fred. Kahler | Johnstonville | $2 00 |
| Towel | Mrs. J. Broadwell | Janesville | $1 00 |
| Sea moss wreath | Mrs. H. Meylert | Janesville | |
| Shoe and slipper case | Mrs. J. Broadwell | Janesville | $1 50 |
| Pillow shams | Mrs. E. Lysinger | Susanville | $1 50 |
| Graded pillow shams | Mrs. Day | Susanville | $2 00 |
| Tufted chair cushion | Mrs. Day | Susanville | $1 50 |
| Outline tidy | Mrs. J. McCallum | Johnstonville | $1 50 |
| Crochet collar | Mrs. L. Woodstock | Susanville | $1 50 |
| Tatting collar | Mrs. L. Woodstock | Susanville | $1 00 |
| Table scarf | Mrs. W. Brashear | Susanville | $2 00 |
| Lamp mat | Mrs. J. C. Wemple | Milford | $2 00 |
| Card receiver | Mrs. Longanecker | Johnstonville | $1 00 |
| Beaded panel | Miss N. Perkins | Susanville | $1 00 |
| Scarf, applique | Mrs. L. W. Skinner | Milford | $3 00 |
| Handkerchief case | Miss C. Hoffman | Buntingville | $2 00 |
| Embroidered tidy | Miss C. Hoffman | Buntingville | $2 00 |
| Crochet tidy | Mrs. S. Hoffman | Buntingville | $1 00 |
| Embroidered tablespread | Miss C. Hoffman | Buntingville | $3 00 |
| Crochet work basket | Mrs. O. L. Carter | Susanville | $2 00 |
| Worsted work on cardboard | Mrs. O. L. Carter | Susanville | $1 00 |
| Crochet lambrequin | Mrs. O. L. Carter | Susanville | $2 00 |
| Knit shoulder cape | Mrs. O. L. Carter | Susanville | $1 50 |
| Wool tidy, crochet | Mrs. O. L. Carter | Susanville | $1 50 |
| Crochet shawl | Mrs. O. L. Carter | Susanville | $2 50 |
| Undershirt trimming | Mrs. O. L. Carter | Susanville | $1 00 |
| Fancy pillow shams | Mrs. E. Hasselkus | Greenville | $2 00 |
| Macrame crochet tidy | Mrs. E. Hasselkus | Greenville | $1 50 |
| Afghan, crochet | Mrs. E. Hasselkus | Greenville | $2 00 |
| Table mats, crochet | Mrs. H. N. Skadan | Susanville | $1 00 |
| Embroidered saddle blanket | Mrs. H. N. Skadan | Susanville | $2 00 |
| Outline splasher | Mrs. H. N. Skadan | Susanville | $1 00 |
| Knit skirt | Mrs. R. L. Davis | Susanville | $2 00 |
| Daisy tidy | Mrs. R. L. Davis | Susanville | $2 00 |
| Outline splasher | Mrs. R. L. Davis | Susanville | $1 00 |
| Cotton tidy, crochet | Mrs. R. L. Davis | Susanville | $2 00 |
| Child's toboggan | Mrs. R. L. Davis | Susanville | $2 00 |
| Knit bedspread | Miss L. Hulsman | Susanville | $4 00 |
| Embroidered toilet cushion | Mrs. R. L. Davis | Susanville | $1 00 |
| Sofa pillow | Mrs. R. L. Davis | Susanville | $1 00 |
| Outline pillow shams | Mrs. D. C. Hyer | Susanville | $2 00 |
| Child's hood | Mrs. J. O. Hemler | Buntingville | $2 00 |
| Arrasene table scarf | Mrs. M. Marsteller | Susanville | $3 00 |
| Silk embroidered wrap | Mrs. M. Marsteller | Susanville | $2 00 |
| Infant's flannel skirt | Mrs. M. Marsteller | Susanville | $2 00 |
| Sofa cushion | Miss Ida Freeman | Susanville | $2 00 |
| Outline bureau scarf | Mrs. C. G. Kelley | Susanville | $2 00 |
| Fancy apron | Miss Mamie Todd | Susanville | $1 00 |
| Crochet skirt | Mrs. Slater | Susanville | $2 00 |
| Hemstitch apron | Miss Emma Strong | Susanville | $3 00 |
| Japanese embroidery | Miss Amy McNealy | Greenville | $2 00 |
| Knit skirt | Mrs. W. R. Harrison | Susanville | $1 00 |
| Four yards of lace | Mrs. W. R. Harrison | Susanville | $2 00 |
| Crochet purse | Mrs. J. C. Wood | Susanville | $1 00 |
| Mexican network | Mrs. J. C. Wood | Susanville | $3 00 |
| Embroidered banner | Miss H. Rowland | Long Valley | $1 00 |
| Embroidered table scarf | Mrs. J. T. Jones | Alturas | $5 00 |
| Embroidered handkerchief | Miss S. Hardgrave | Taylorville | $2 00 |
| Bracket lambrequin | Miss S. Hardgrave | Taylorville | $2 00 |
| Kensington embroidery | Miss S. Hardgrave | Taylorville | $2 50 |
| Linen embroidery | Miss D. Thompson | Quincy | $2 00 |
| Crochet scarf | Mrs. Lovell | Greenville | $2 00 |
| Crochet sack | Mrs. Lovell | Greenville | $1 00 |
| Mantel lambrequin | Mrs. T. Roseberry | Adin | $2 00 |
| Baby dress (hand made) | Miss G. Phillips | Susanville | $2 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Table scarf | Mrs. I. Hall | Greenville | $1 00 |
| Specimen of knitting | Mrs. O. L. Carter | Susanville | $2 00 |
| Embroidered lambrequin | Mrs. H. Snyder | Susanville | $1 00 |
| CLASS II—CHILDREN'S DEPARTMENT. | | | |
| Map of California | George McDow | Susanville | $2 00 |
| Pencil drawing | George McDow | Susanville | $2 00 |
| Map drawing | Maud Deciores | Buntingville | $2 00 |
| Map drawing | Pearl Bronson | Buntingville | $1 00 |
| Specimen of penmanship | Ada Gerking | Susanville | $1 00 |
| Ornamental violin | Alice Deiter | Susanville | $1 00 |
| Watch holder | Alice Deiter | Susanville | $1 00 |
| Outline splasher | Alice Deiter | Susanville | $1 00 |
| Lambrequin | Alice Deiter | Susanville | $1 00 |
| Fancy apron | Laura McBeth | Prattville | $1 50 |
| Rug | Effie Deciores | Buntingville | $2 00 |
| Knit underclothes | Theo. McClaska | Susanville | $3 00 |
| Outline pillow shams | Edith Fleming | Susanville | $2 00 |
| Patchwork quilt | Myrtle Moody | Susanville | $2 00 |
| Underwear (hand made) | Hattie Sanders | Susanville | $2 00 |
| Pincushion | Hattie Sanders | Susanville | $1 00 |
| Outline splasher | Hattie Sanders | Susanville | $1 00 |
| Plain cake | Lida Odette | Susanville | $1 00 |
| Collection of autumn leaves | George Woodstock | Susanville | $1 00 |
| Collection of grasses | George Woodstock | Susanville | $1 00 |
| Pencil drawing | Susie Easton | Susanville | $1 00 |
| Map drawing | Susie Easton | Susanville | $2 00 |
| Dressed doll | Cora Longanecker | Susanville | $2 00 |
| Oil paintings | Bee Partridge | Susanville | $3 00 |
| Display worsted work | Bee Partridge | Susanville | $1 50 |
| Dried apples | Marie Partridge | Susanville | $2 00 |
| Charm string | Bertha Lybarger | Susanville | $1 00 |
| Beaded cushion | Sadie Woodstock | Susanville | $1 00 |
| Six button holes | Sadie Woodstock | Susanville | $1 50 |
| Splasher | Delia Perkins | Susanville | $2 00 |
| Child's dress | Q. Perkins | Susanville | $2 00 |
| Cradle quilt | Mamie Perkins | Susanville | $2 00 |
| Fancy apron | Lillian Perkins | Susanville | $1 00 |
| Outline apron | Lillian Perkins | Susanville | $1 50 |
| Plate of biscuit | Della Perkins | Susanville | $1 50 |
| Outline pillow shams | Maud Long | Susanville | $1 00 |
| Button holes | Alice Craig | Susanville | $1 50 |
| Penmanship | Lola Craig | Susanville | $2 00 |
| Knit skirt | Bertie Masten | Susanville | $1 50 |
| Crochet scarf | Bertie Masten | Susanville | $1 00 |
| Lace | Bertie Masten | Susanville | $2 00 |
| Knit skirt | Belle Hayden | Susanville | $1 50 |
| Wreath | Hattie Ridenour | Susanville | $2 00 |
| Cornucopia bouquet | Hattie Ridenour | Susanville | $1 50 |
| Crochet skirt | Hattie Ridenour | Susanville | $1 50 |
| Table scarf | Hattie Ridenour | Susanville | $1 50 |
| Crochet tidy | Hattie Ridenour | Susanville | $1 00 |
| Outline apron | Ida Stoll | Susanville | $1 00 |
| Outline apron | Ida Stoll | Susanville | $1 50 |
| Scrap book | Cyrus Marsteller | Susanville | $1 50 |
| Charm string | Etta Wilkinson | Secret | $1 00 |
| Crochet tidy | Etta Wilkinson | Secret | $1 00 |
| Lamp mat | Etta Wilkinson | Secret | $2 00 |
| Lamp mat | Hannah Wilkinson | Secret | $1 00 |
| Scrap book | Willie Harrison | Susanville | $1 00 |
| Sketches from nature | Josie Hamphrey | Susanville | $2 00 |
| Crochet skirt | Dora Summers | Susanville | $1 00 |
| Shawl, crochet | Dora Summers | Susanville | $2 00 |
| Crochet lace | Ollie Lovell | Greenville | $2 00 |
| Outline splasher | Stella Bransford | Greenville | $1 00 |
| Specimen knitting | Delia Blair | Susanville | $1 00 |
| Collection of bird's eggs | Geo. Woodstock | Susanville | $1 00 |
| Underclothes | Maud Long | Susanville | $2 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—BREAD, PASTRY, BUTTER, CHEESE, ETC. | | | |
| Butter | Cordelia Sharp | Buntingville | $2 50 |
| Bread | Ida Hulsman | Susanville | $1 50 |
| Fruit cake | Susie M. Arnold | Susanville | $2 00 |
| Loaf bread | Susie Easton | Susanville | $1 00 |
| Biscuit | Bee Partridge | Susanville | $1 50 |
| Plate of cookies | Mrs. L. W. Skinner | Milford | $2 00 |
| Light biscuit | Mrs. L. W. Skinner | Milford | $1 00 |
| Roll of butter | Mrs. J. C. Wemple | Milford | $2 50 |
| Roll of butter | Mrs. J. T. Masten | Susanville | $2 00 |
| Corn bread | Mrs. L. C. Stiles | Susanville | $1 00 |
| Graham bread | Mrs. L. C. Stiles | Susanville | $2 00 |
| Fancy cookies | Mrs. C. M. Stoll | Susanville | $1 00 |
| Brown bread | Mrs. C. M. Stoll | Susanville | $2 00 |
| Cheese | Wm. Ames | Susanville | $5 00 |
| Light cookies | Mrs. F. Longanecker | Susanville | $1 00 |
| Yeast bread | Mrs. F. Longanecker | Susanville | $2 00 |
| Rusk | Mrs. J. Branham | Susanville | $2 00 |
| Fruit cake | Mrs. J. W. Hasselkus | Susanville | $1 00 |
| Corn bread | Mrs. L. Woodstock | Susanville | $2 00 |
| Light bread | Mrs. Shinn | Susanville | $1 00 |
| Cocoanut cake | Mrs. S. Hoffman | Susanville | $2 00 |
| Biscuit | Mrs. S. Hoffman | Susanville | $2 00 |
| Salt-rising bread | Mrs. Leonard | Susanville | $2 00 |
| Pound cake | On Hi | Susanville | $3 00 |
| Bread | Mrs. J. H. Summers | Susanville | $1 00 |
| Parker House rolls | Mrs. H. E. Partridge | Susanville | $1 00 |
| Lemon puffs | Mrs. H. E. Partridge | Susanville | $1 00 |
| Fruit cake | Mrs. M. Williams | Susanville | $2 00 |
| Pumpkin pie | Mrs. Leonard | Susanville | $1 00 |
| Sponge cake | Cora Longanecker | Susanville | $1 50 |
| CLASS IV—CANNED FRUITS, DRIED FRUITS, TABLE SAUCES, ETC. | | | |
| Sweet pickles | Mrs. J. Branham | Susanville | $1 00 |
| Red currant jelly | Mrs. J. Branham | Susanville | $1 00 |
| Sweet pickles | Mrs. H. E. Partridge | Susanville | $2 00 |
| Apricots | Mrs. D. C. Hyer | Susanville | $2 00 |
| Yellow peaches | Mrs. D. C. Hyer | Susanville | $2 00 |
| Gooseberries | Mrs. D. Kingsberry | Susanville | $2 00 |
| Tomato catsup | Mrs. O. L. Carter | Susanville | $1 00 |
| Mangoes | Mrs. A. Burnie | Susanville | $2 00 |
| Tomato catsup | Mrs. A. Burnie | Susanville | $2 00 |
| Jar of peaches | Mrs. A. Burnie | Susanville | $2 00 |
| Strawberry preserves | Mrs. Day | Susanville | $1 00 |
| Crabapple preserves | Mrs. Day | Susanville | $1 00 |
| Peach preserves | Mrs. Day | Susanville | $1 00 |
| Rhubarb butter | Mrs. H. McMurphy | Janesville | $2 00 |
| Thimbleberry jelly | Mrs. H. McMurphy | Janesville | $2 00 |
| Wild cherry jelly | Mrs. H. McMurphy | Janesville | $2 00 |
| Dried plums | Mrs. L. W. Skinner | Milford | $2 00 |
| Dried peaches | Mrs. L. W. Skinner | Milford | $2 00 |
| Dried apples | Mrs. L. W. Skinner | Milford | $2 00 |
| Dried currants | Mrs. L. W. Skinner | Milford | $2 00 |
| Dried plums | Mrs. W. M. Cain | Susanville | $1 00 |
| Dried apples | Mrs. W. M. Cain | Susanville | $1 00 |
| Red currant jelly | Mrs. H. W. Mylert | Janesville | $2 00 |
| Raspberry jelly | Mrs. H. W. Mylert | Janesville | $2 00 |
| Apple jelly | Mrs. H. W. Mylert | Janesville | $2 00 |
| Grape jelly | Mrs. H. W. Mylert | Janesville | $2 00 |
| Plum jelly | Mrs. H. W. Mylert | Janesville | $2 00 |
| Raspberry jam | Mrs. Wm. Greehn | Susanville | $2 00 |
| Crabapple jelly | Mrs. M. Williams | Susanville | $2 00 |
| Strawberry jelly | Mrs. M. Williams | Susanville | $2 00 |
| Jars of cucumbers | Mrs. D. Cramer | Susanville | $2 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Preserved tomatoes | Mrs. John Cahlan | Susanville | $2 00 |
| Preserved peaches | Mrs. John Cahlan | Susanville | $2 00 |
| Apple butter | Mrs. F. Langanecker | Susanville | $2 00 |
| Preserved quinces | Mrs. John Cahlan | Susanville | $2 00 |
| Strawberry jam | Mrs. S. J. Odette | Susanville | $2 00 |
| Crabapple jelly | Mrs. S. D. Odette | Susanville | $1 00 |
| Currant jelly | Mrs. A. McCrimmon | Susanville | $1 00 |
| White currants | Mrs. W. M. McClelland | Susanville | $2 00 |
| Preserved blackberries | Mrs. W. M. McClelland | Susanville | $2 00 |
| Chow-chow | Mrs. W. M. McClelland | Susanville | $2 00 |
| Strawberry jam | Mrs. W. M. McClelland | Susanville | $1 00 |
| Preserved peaches | Mrs. W. M. McClelland | Susanville | $1 00 |
| Preserved plums | Mrs. John Cahlan | Susanville | $1 00 |
| Preserved white currants | Mrs. R. L. Davis | Susanville | $2 00 |
| Canned corn | Mrs. R. L. Davis | Susanville | $2 00 |
| Largest display of pickles, sliced | Mrs. W. M. McClelland | Susanville | $2 00 |
| CLASS V—PAINTINGS, DRAWINGS, AND PICTURE-WORK. | | | |
| Banner, painted | Miss A. Van Norden | Susanville | $2 00 |
| Painted table scarf | Miss A. Van Norden | Susanville | $2 00 |
| Sea moss picture | Mrs. W. M. McClelland | Susanville | $1 00 |
| Shadow painting | Mrs. W. S. Brashear | Susanville | $2 00 |
| Wax picture | Mrs. M. Marsteller | Susanville | $2 00 |
| Painting, fruit | Mrs. C. G. Kelley | Susanville | $5 00 |
| Charcoal sketches | Miss D. M. Thompson | Quincy | $5 00 |
| Flowers, in oil | Miss D. M. Thompson | Quincy | $5 00 |
| Sketches from nature | Miss D. M. Thompson | Quincy | $5 00 |
| Largest collection of paintings | Miss D. M. Thompson | Quincy | $15 00 |
| Kensington painting | Miss S. Hardgrave | Taylorville | $2 00 |
| Painting in oil, flowers | Mrs. T. A. Roseberry | Adin | $5 00 |
| Painting in oil, portrait | Mrs. T. A. Roseberry | Adin | $5 00 |
| Painting in oil, landscape | Mrs. T. A. Roseberry | Adin | $5 00 |
| Collection of paintings | Mrs. C. G. Kelley | Susanville | $15 00 |
| Landscape paintings | Mrs. J. T. Laird | Alturas | $5 00 |
| CLASS VI—FLOWERS IN BLOOM, CUT FLOWERS, PLANTS, ETC. | | | |
| Collection of flowers | Mrs. L. L. Frost | Susanville | $7 50 |
| House plants | Mrs. J. G. Leonard | Susanville | $2 50 |
| Collection of garden plants | Mrs. C. M. Stoll | Susanville | $5 00 |
| Cut flowers | Mrs. C. M. Stoll | Susanville | $2 00 |
| Fuchsias in bloom | Mrs. H. N. Skadan | Susanville | $2 50 |
| Hanging basket plants | Mrs. A. Burnie | Susanville | $2 00 |
| Bouquet | Mrs. A. Burnie | Susanville | $3 00 |
| Collection of plants | Mrs. Day | Susanville | $5 00 |
| CLASS VII—GRAIN, FRUIT, AND VEGETABLES. | | | |
| Box of nectar apples | Cyrus Marsteller | Susanville | |
| Bidwell squash | T. Ashby | Secret | $3 00 |
| Danver carrot | Hall & Snyder | Susanville | $2 00 |
| Caraway seed | I. N. Coldthurst | Tule Confederation | $2 00 |
| Snowflake potatoes | I. N. Coldthurst | Tule Confederation | $1 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Tomatoes | L. D. McDow | Susanville | $5 00 |
| Potatoes | L. D. McDow | Susanville | $5 00 |
| Hubbard squash | L. D. McDow | Susanville | $3 00 |
| Rattail corn | J. T. Alexander | Susanville | $3 00 |
| Yellow Danver onions | J. T. Alexander | Susanville | $4 00 |
| Watermelons | J. T. Alexander | Susanville | $3 00 |
| Redtop grass seed | J. Hall | Greenville | $2 00 |
| Muskmelons | J. T. Alexander | Susanville | $3 00 |
| Flat Dutch cabbage | J. T. Alexander | Susanville | $4 00 |
| Cucumbers | J. T. Alexander | Susanville | $2 00 |
| Sweet pumpkin | T. Ashby | Susanville | $3 00 |
| Sweet corn | J. T. Alexander | Susanville | $2 00 |
| Mangel-wurzel beets | S. M. Roberts | Milford | $2 00 |
| Mammoth cabbage | W. M. McClelland | Susanville | $4 00 |
| Short horn carrots | Wm. Dow | Susanville | $2 00 |
| Sweet peas | J. T. Alexander | Susanville | $2 00 |
| Tree bean | J. Hulsman | Susanville | $2 00 |
| Dwarf peas | J. Hulsman | Susanville | $1 00 |
| Drumhead cabbage | Mrs. W. Ravenscroft | Susanville | $4 00 |
| White potatoes | Mrs. W. Ravenscroft | Susanville | $4 00 |
| Sack of rye | G. De Forest | Susanville | $5 00 |
| Oregon club wheat | G. De Forest | Susanville | $5 00 |
| Timothy seed | Jno. Cahlan | Susanville | $2 00 |
| Centennial potatoes | V. E. Perry | Susanville | $5 00 |
| Sugar beets | D. Kingsberry | Susanville | $2 00 |
| Long blood beets | D. Kingsberry | Susanville | $2 00 |
| Turnip beets | D. Kingsberry | Susanville | $2 00 |
| Wheat in head | W. H. Sifford | Susanville | $2 00 |
| Sack of oats | J. T. Martin | Susanville | $10 00 |
| Popcorn | R. F. Moody | Susanville | $2 00 |
| Celery | J. W. Thompson | Quincy | $4 00 |
| Cream pumpkin | J. T. Martin | Susanville | $3 00 |
| Citron | Geo. Woodstock | Susanville | $3 00 |
| Potatoes | T. N. Long | Susanville | $2 50 |
| Red Danver onions | Jerry Tyler | Milford | $4 00 |
| Honey in comb | T. N. Long | Susanville | $2 50 |
| Five varieties of apples | A. T. Arnold | Susanville | $5 00 |
| Exhibit of manufactured cereals | H. Snyder | Susanville | $10 00 |
| Field corn | Jerry Tyler | Milford | $2 50 |
| Mammoth marblehead squash | Jerry Tyler | Milford | $3 00 |
| Peaches | Mrs. A. Gray | Janesville | $2 50 |
| Black Prince apples | W. M. McClelland | Susanville | $2 50 |
| Sweet Bow apples | W. M. McClelland | Susanville | $2 50 |
| Sugar apples | W. M. McClelland | Susanville | $2 50 |
| Fair Queen apples | W. M. McClelland | Susanville | $2 50 |
| King apples | W. M. McClelland | Susanville | $2 50 |
| Gravenstein apples | W. M. McClelland | Susanville | $2 50 |
| English Pippin apples | W. M. McClelland | Susanville | $2 50 |
| Romanites apples | W. M. McClelland | Susanville | $2 50 |
| Baldwin apples | W. M. McClelland | Susanville | $2 50 |
| Summer Bellflower apples | W. M. McClelland | Susanville | $2 50 |
| Sawyer apples | W. M. McClelland | Susanville | $2 50 |
| Exhibit of fall apples | J. T. Alexander | Susanville | $2 50 |
| Winter Bellflower | S. M. Roberts | Milford | $2 50 |
| Gloria Mundi | W. M. Cain | Susanville | $2 50 |
| Catawba grape | W. M. Cain | Susanville | $3 00 |
| Golden Gate plums | W. M. Cain | Susanville | $2 50 |
| Blackberries | W. M. Cain | Susanville | $1 00 |
| Keefer peas | W. M. Cain | Susanville | $1 00 |
| Red and white currants | W. M. Cain | Susanville | $2 50 |
| French prunes | J. B. Spalding | Susanville | $2 50 |
| Golden Gage plums | R. F. Moody | Susanville | $2 50 |
| Box of pears | L. L. Frost | Susanville | $2 50 |
| Red plums | Wm. Greehn | Susanville | $2 50 |
| Bartlett pears | Mrs. H. Sanders | Susanville | $2 50 |
| Box of pears | W. P. Hall | Susanville | $2 50 |
| Box of Muscat grapes | W. P. Hall | Susanville | $2 50 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Plums | L. P. Whiting | Milford | $2 50 |
| Red Pippin apples | D. C. Hyer | Susanville | $2 50 |
| Rhode Island Greening apples | D. C. Hyer | Susanville | $2 50 |
| Winesap apples | Jerry Tyler | Milford | $2 50 |
| Northern Spy apples | Jerry Tyler | Milford | $2 50 |
| Canada red apples | Jerry Tyler | Milford | $2 50 |
| Ben Davis apples | Jerry Tyler | Milford | $2 50 |
| Haggan apples | Jerry Tyler | Milford | $2 50 |
| Arnold's red apples | A. T. Arnold | Susanville | $2 50 |
| Arnold's white apples | A. T. Arnold | Susanville | $2 50 |
| Arnold's black apples | A. T. Ardold | Susanville | $2 50 |
| Crabapples | A. T. Arnold | Susanville | $2 50 |
| Pears | A. T. Arnold | Susanville | $2 50 |
| Plums | A. T. Arnold | Susanville | $2 50 |
| Fresh strawberries | Mrs. Day | Susanville | $2 00 |
| CLASS VIII—TAXIDERMY, MINERALS, CABINET CURIOS, ETC. | | | |
| Three cases of stuffed fowls and birds | Edward Garner | Quincy | $10 00 |
| Collection of stuffed birds and insects | R. F. Moody | Susanville | $10 00 |
| Mounted deer head | T. B. Sanders | Susanville | $2 00 |
| Four hundred day clock | H. Bereman | Susanville | $5 00 |
| Display of gold ores | H. Bereman | Susanville | $10 00 |
| Display of silver ores | H. Bereman | Susanville | $5 00 |
| Display of copper ores | H. Bereman | Susanville | $5 00 |
| CLASS IX—BEVERAGES. | | | |
| Home-made wine | Mrs. E. D. Hasselkus | Greenville | $5 00 |
| Home-made syrups | Mrs. L. C. Stiles | Susanville | $3 00 |
| Display of sodas, etc. | McKenzie Bros. | Greenville | $5 00 |
| Beer | F. Runge | Susanville | $5 00 |
| CLASS X—SADDLERY AND LEATHER WORK. | | | |
| Double buggy harness | L. H. Moore | Susanville | $10 00 |
| Double work harness | L. H. Moore | Susanville | $10 00 |
| Single buggy harness | L. H. Moore | Susanville | $5 00 |
| Gentleman's saddle | L. H. Moore | Susanville | $5 00 |
| Display of harness work | L. H. Moore | Susanville | $15 00 |
| Pair of sewed boots | Mrs. W. Ravenscroft | Susanville | $5 00 |
| Heavy boots | R. F. Moody | Susanville | $5 00 |
| Ladies' shoes | R. F. Moody | Susanville | $2 50 |
| Lady's saddle | C. M. Stoll | Susanville | $5 00 |
| Set of express harness | C. M. Stoll | Susanville | $5 00 |
| Double team harness | C. M. Stoll | Susanville | $5 00 |
| CLASS XI—MISCELLANEOUS. | | | |
| Whiffletree clip | Ed. Garner | Quincy | $2 00 |
| Display of upholstery | J. L. Groton | Susanville | $10 00 |
| Kitchen table | J. L. Groton | Susanville | $2 50 |
| Display of hams and bacon | J. Hulsman | Susanville | $2 50 |
| Top buggy | K. McLeod | Greenville | $15 00 |
| Open buggy | K. McLeod | Greenville | $15 00 |
| Beehive and honey | J. W. Hasselkus | Susanville | $3 00 |
| Display of job work | Plumas National | Quincy | $10 00 |
| Tinware | Asher Bros. | Susanville | $10 00 |
| Hay stacker | Asher Bros. | Susanville | $3 00 |
| Fancy sewing machine | Mrs. A. Burnie | Susanville | Diploma. |

# SPEED PROGRAMME.

MONDAY, SEPTEMBER 24, 1888.

RACE NO. 1—SPECIAL TROTTING.

District horses. Purse, three hundred dollars. First money, one hundred and eighty dollars; second, ninety dollars; third, thirty dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Klamath, by Altamont | Thomas Raymond | Alturas. |
| Duster, by Tilton Almont | J. D. Byers | Janesville. |
| Engineer, by Buccaneer | E. P. Smith | Taylorville. |

SUMMARY.

| | | | |
|---|---|---|---|
| Engineer | 1 | 1 | 1 |
| Duster | 2 | 2 | 2 |
| Klamath | 3 | 3 | 3 |

*Time*—2:43¼; 2:45½; 2:44½.

RACE NO. 2—TROTTING.

Two-year olds. District horses. Purse, three hundred dollars. First money, one hundred and eighty dollars; second, ninety dollars; third, thirty dollars. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J C, by Victor | J. S. Carter | Crescent Mills. |
| Effie G, by Tilton Almont | J. D. Byers | Janesville. |
| William B, by Tilton Almont | E. P. Smith | Taylorville. |

SUMMARY.

| | | |
|---|---|---|
| Effie G | 1 | 1 |
| William B | 2 | 2 |
| J C | 3 | 3 |

*Time*—3:02½; 2:58.

RACE NO. 3—SPECIAL RUNNING.

Untried district horses. Purse, one hundred and fifty dollars. First money, ninety dollars; second, forty-five dollars; third, fifteen dollars. One half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Joaquin, by Norfolk | Jack Adams | Alturas. |
| Billy Hazel, unknown | M. Snyder | Hayden Hill. |
| Kitty B, by Norfolk | Jack Adams | Alturas. |

SUMMARY.

| | |
|---|---|
| Joaquin | 1 |
| Billy Hazel | 2 |
| Kitty B | 3 |

*Time*—0:53½.

---

RACE NO. 4—RUNNING.

For district horses. Purse, two hundred dollars; one hundred and twenty dollars to first horse; sixty dollars to second; twenty dollars to third. One quarter of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Duster, by Rifleman | James Henry | Chico. |
| Silvertail, unknown | William M. Ostrom | Alturas. |
| Jake Snyder, by Cottontail | M. Snyder | Hayden Hill. |
| Fox, unknown | J. M. Welch | Virginia C'y, Nev. |
| Pinto, unknown | P. R. Welch | Longville. |
| San Luis Obispo, unknown | —— | Chico. |

SUMMARY.

| | | |
|---|---|---|
| Jake Snyder | 1 | 1 |
| San Luis Obispo | 3 | 2 |
| Duster | 2 | 3 |
| Silvertail | 4 | 4 |

*Time*—0:24; 0:23½.

---

TUESDAY, SEPTEMBER 25, 1888.

RACE NO. 5—TROTTING.

Purse, five hundred dollars. Three hundred dollars to first horse; one hundred and fifty dollars to second; fifty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Victor, by Echo | George A. Doherty | Crescent Mills. |
| Sensation, by Peacock | T. E. Keating | Reno, Nev. |
| May Queen, by Graybuck | J. D. Byers | Janesville. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Sensation | 2 | 1 | 1 | 1 |
| Victor | 1 | 2 | 2 | 2 |
| May Queen | dis. | | | |

*Time*—2:22½; 2:22; 2:24; 2:24.

RACE NO. 6—TROTTING.

District colts, yearlings. Purse, two hundred and fifty dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; twenty-five dollars to third. Half mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| R B H, by Victor | G. A. Doherty | Crescent Mills. |
| Sage Hen, by William Tell | C. W. Cale | Greenville. |
| Samantha, by Engineer | E. P. Smith | Taylorville. |
| Hornet, by Engineer | J. S. Bransford | Greenville. |
| Thurman, by Victor | J. S. Carter | Crescent Mills. |

SUMMARY.

| | | | |
|---|---|---|---|
| Samantha | 2 | 1 | 1 |
| R B H | 3 | 2 | 2 |
| Thurman | 1 | 3 | dis. |

*Time*—1:50½; 1:47; 1:45.

RACE NO. 7—RUNNING.

Purse, five hundred dollars. Three hundred dollars to first horse; one hundred and fifty dollars to second; fifty to third. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Dave Douglass, by Leinster | Dan Dennison | Sacramento. |
| Nettie Moak, by Glencoe | J. Holland | Chico. |
| Lige Clark, by Ballotbox | Joseph Dyson | Summit. |
| Daisy D, by Wheatly | R. B. Cockrell | Santa Rosa. |
| Avondale, by Marmaduke | A. Y. Stevenson | Sacramento. |
| Panama, by Shannon | Small & Whelan | Reno, Nev. |
| Alcatraz, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Avondale, unknown | J. J. Taylor | Santa Rosa. |
| Index, by Thad Stevens | Frank Anderson | Santa Rosa. |

SUMMARY.

| | | | |
|---|---|---|---|
| Dave Douglass | 2 | 1 | 1 |
| Avondale | 1 | 2 | 2 |
| Lige Clark | 3 | 3 | 3 |
| Nettie Moak | dis. | | |

*Time*—1:45¾; 1:47; 1:45½.

RACE NO. 8—RUNNING.

Free for all. Purse, four hundred dollars. Two hundred and forty dollars to first horse; one hundred and twenty dollars to second; forty dollars to third. One and three quarters miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Haidee, by King Alfonzo | Dan Dennison | Sacramento. |
| Snuffbox, by Ballotbox | Joseph Dyson | Summit. |
| Ottawa, by Cousin Vic | Joseph Dyson | Summit. |
| Susie S, by Marmaduke | A. Y. Stevenson | Sacramento. |
| Alcatraz, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Avondale, unknown | J. J. Taylor | Santa Rosa. |
| Index, by Thad Stevens | Frank Anderson | Santa Rosa. |

SUMMARY.

| | |
|---|---|
| Haidee | 1 |
| Susie S | 2 |
| Snuffbox | 3 |
| Mollie McShane | 4 |

*Time*—3:11.

---

## WEDNESDAY, SEPTEMBER 26, 1888.

### Race No. 10—Pacers and Trotters.

Free for all. Purse, six hundred dollars. Three hundred and sixty dollars to first horse; one hundred and eighty dollars to second; sixty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Belle Spencer, by Black Ralph | E. V. Spencer | Susanville. |
| Ned, unknown | T. E. Keating | Reno, Nev. |
| May Queen, by Graybuck | J. D. Byers | Janesville. |
| George Wappel, by Brigadier | C. H. Lawrence | Greenville. |
| Victor, by Woodburn | George A. Doherty | Crescent. |

SUMMARY.

| | | | |
|---|---|---|---|
| Victor | 1 | 1 | 1 |
| Ned | 2 | 2 | 2 |

*Time*—2:26½; 2:28½; 2:28.

---

### Race No. 11—Trotting.

2:40 Class. Purse, four hundred dollars. Free for all. Two hundred and forty dollars to first horse; one hundred and twenty dollars to second; forty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lohengrin, by Echo | J. W. Dowell | Marysville. |
| Sensation, by Peacock | T. E. Keating | Reno, Nev. |
| Wanda, unknown | Small & Whelan | Reno, Nev. |
| Duster, by Tilton Almont | J. D. Byers | Janesville. |
| Engineer, by Buccaneer | E. P. Smith | Crescent Mills. |
| Maxwell, by William Tell | C. H. Lawrence | Greenville. |

Walkover for Sensation.

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### Special Trotting.

Free for all. Purse, four hundred dollars. Two hundred and forty dollars to first horse; one hundred and twenty dollars to second; forty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Engineer, by Buccaneer | E. P. Smith | Crescent Mills. |
| Duster, by Tilton Almont | J. D. Byers | Janesville. |
| Maxwell, by William Tell | C. H. Lawrence | Greenville. |

SUMMARY.

| | | | |
|---|---|---|---|
| Engineer | 1 | 1 | 1 |
| Maxwell | 2 | 2 | 2 |
| Duster | 3 | 3 | 3 |

*Time*—2:39½; 2:39; 2:43¼.

---

RACE NO. 12—RUNNING.

Free for all. Purse, two hundred and fifty dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; twenty-five dollars to third. Three-quarters mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Baby Bunting, by Cousin Vic | J. Q. Anderson | Summit. |
| Joe Marsh, by Joe Hooker | Henry Mann | Alturas. |
| Lige Clark, by Ballotbox | Joseph Dyson | Summit. |
| San Luis Obispo, unknown | J. Stevenson | Chico. |
| Daisy D, by Wheatly | R. B. Cockrell | Santa Rosa. |
| Ogzille, by Norfolk | Small & Whelan | Reno, Nev. |
| Ogalena, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Nell Banta, unknown | D. W. McKenzie | Greenville. |
| Al Farrow, by Connor | M. T. Walters | Lakeview, Or. |
| Pinto, unknown | P. R. Welch | Longville. |

SUMMARY.

| | |
|---|---|
| Al Farrow | 1 |
| Lige Clark | 2 |
| Baby Bunting | 3 |
| San Luis Obispo | 4 |

*Time*—1:18¾.

---

RACE NO. 13—RUNNING.

Free for all. Purse, three hundred and fifty dollars Two hundred and ten dollars to first; one hundred and five dollars to second; thirty-five dollars to third. One and one half miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Haidee, by King Alfonso | A. Y. Stevenson | Santa Rosa. |
| Snuffbox, by Ballotbox | Jos. Dyson | Summit. |
| Ottawa, by Cousin Vic | Jos. Dyson | Summit. |
| Daisy D, by Wheatly | R. B. Cockrell | Santa Rosa. |
| Panama, by Shannon | Small & Whelan | Reno, Nev. |
| Alcatraz, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Avondale, unknown | J. J. Taylor | Santa Rosa. |
| Index, by Thad Stevens | Frank Anderson | Santa Rosa. |

SUMMARY.

| | |
|---|---|
| Haidee | 1 |
| Snuffbox | 2 |
| Ottawa | 3 |

*Time*—2:47.

RACE NO. 14—RUNNING.

Free for all. Purse, three hundred dollars. One hundred and eighty dollars to first horse; ninety dollars to second; thirty dollars to third. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Baby Bunting, by Cousin Vic | J. Q. Anderson | Summit. |
| Joe Marsh, by Joe Hooker | Henry Mann | Alturas. |
| Blue Bonnet, by Joe Hooker | Dan Dennison | Sacramento. |
| Lige Clark, by Ballotbox | Jos. Dyson | Summit. |
| Daisy D, by Wheatly | R. B. Cockrell | Santa Rosa. |
| Avondale, by Marmaduke | A. Y. Stevenson | Santa Rosa. |
| Panama, by Shannon | Small & Whelan | Reno, Nev. |
| Rivers, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Al Farrow, by Connor | M. T. Walters | Lakeview, Or. |

SUMMARY.

| | |
|---|---|
| Al Farrow | 1 |
| Blue Bonnet | 2 |
| Avondale | 3 |
| Lige Clark | 4 |

*Time*—1:44.

---

THURSDAY, SEPTEMBER 27, 1888.

RACE NO. 15—TROTTING.

District horses. Purse, three hundred and fifty dollars. Two hundred and ten dollars to first horse; one hundred and five dollars to second; thirty-five dollars to third. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Alturas, by Atherton | E. Lauer | Alturas. |
| Wanda, unknown | Small & Whelan | Reno, Nev. |
| Duster, by Tilton Almont | J. D. Byers | Janesville. |

Walkover for Duster.

---

SPECIAL RACE—TROTTING.

Purse, three hundred dollars. One hundred and eighty dollars to first horse; ninety dollars to second; thirty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Geo. Wapple, by Brigadier | Chas. Lawrence | Greenville. |
| Engineer, by Buccaneer | E. P. Smith | Crescent. |
| May Queen, by Graybuck | J. D. Byers | Janesville. |

SUMMARY.

| | | | |
|---|---|---|---|
| May Queen | 1 | 1 | 1 |
| Engineer | 2 | 2 | 2 |
| Geo. Wapple | 3 | 3 | 3 |

*Time*—2:34¼; 2:34¾; 2:35.

RACE NO. 16—TROTTING.

Free for all. Purse, eight hundred dollars. Four hundred and eighty dollars to first horse; two hundred and forty dollars to second; eighty dollars to third. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Belle Spencer, by Black Ralph | E. V. Spencer | Susanville. |
| Sensation, by Peacock | T. E. Keating | Reno, Nev. |
| Victor, by Woodburn | G. A. Doherty | Crescent. |

SUMMARY.

| | | | |
|---|---|---|---|
| Sensation | 1 | 1 | 1 |
| Victor | 2 | 2 | 2 |

*Time*—2:23½; 2:22; 2:23½.

RACE NO. 17—RUNNING.

For district horses. Purse, two hundred dollars. One hundred and twenty dollars to first horse; sixty dollars to second; twenty dollars to third. One half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Albatros, by Pillbox | M. T. Walters | Lakeview, Or. |
| Duster, by Rifleman | James Henry | Chico. |
| Silvertail, sire unknown | W. M. Ostrom | Alturas. |
| Joe Marsh, by Joe Hooker | Henry Mann | Hayden Hill. |
| Jake Snyder, by Cottontail | M. Snyder | Hayden Hill. |
| Pinto, sire unknown | P. R. Welch | Longville. |
| San Luis Obispo, sire unknown | J. Stevenson | Chico. |
| Lige Clark, by Ballotbox | Jo. Dyson | Summit. |
| Ogalene, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Panama, by Shannon | Small & Whelan | Reno, Nev. |
| Nell Banta | D. W. McKenzie | Greenville. |

SUMMARY.

| | |
|---|---|
| Lige Clark | 1 |
| Jake Snyder | 2 |
| Nell Banta | 3 |
| Joe Marsh | 4 |

*Time*—0:50¾.

RACE NO. 18—RUNNING.

Free for all. Purse, three hundred dollars. One hundred and eighty dollars to first horse; ninety dollars to second; thirty dollars to third. One and one fourth miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dave Douglass, by Leinster | D. Dennison | Sacramento. |
| Nettie Moak, by Glencoe | J. Holland | Chico. |
| Snuffbox, by Ballotbox | Jo. Dyson | Summit. |
| Susie S, by Marmaduke | A. Y. Stevenson | Santa Rosa. |
| Avondale, by Marmaduke | A. Y. Stevenson | Santa Rosa. |
| Alcatraz, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Rivers, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Avondale, sire unknown | J. J. Taylor | Santa Rosa. |
| Index, by Thad Stevens | Frank Anderson | Santa Rosa. |

SUMMARY.

| | |
|---|---|
| Susie S | 1 |
| Dave Douglass | 2 |
| Avondale | 3 |

*Time*—2:12½.

---

RACE NO. 19—DOUBLE TEAM TROTTING.

Purse, one hundred and fifty dollars. Ninety dollars to first team; forty-five dollars to second; fifteen dollars to third. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Isaac M and Fred | Charles Lawrence | Greenville. |
| Patchen and Slickens | Jake Forkner | Janesville. |
| Charles M and Billy | C. A. Merrill | Susanville. |

SUMMARY.

| | | | |
|---|---|---|---|
| Isaac M and Fred | 2 | 1 | 1 |
| Patchen and Slickens | 1 | 2 | 2 |
| Charles M and Billy | dis. | | |

*Time*—3:28; 3:34; 3:35.

---

SPECIAL RACE—RUNNING.

Purse, two hundred dollars. One hundred and twenty dollars to first horse; sixty dollars to second; twenty dollars to third. Two miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Lige Clark, by Ballotbox | J. Dyson | Summit. |
| Snuffbox, by Ballotbox | J. Dyson | Summit. |

SUMMARY.

| | |
|---|---|
| Snuffbox | 1 |
| Mollie McShane | 2 |
| Lige Clark | 3 |

*Time*—3:52.

---

FRIDAY, SEPTEMBER 28, 1888.

RACE NO. 20—PACING.

Free for all. Purse, five hundred dollars. Three hundred dollars to first horse; one hundred and fifty dollars to second; fifty dollars to third. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ned, pedigree unknown | T. E. Keating | Reno, Nev. |
| George Wapple, by Brigadier | Charles Lawrence | Greenville. |
| Flournoy | E. Lauer | Alturas. |

SUMMARY.

| | | | |
|---|---|---|---|
| Ned | 1 | 1 | 1 |
| Flournoy | 2 | 2 | 2 |
| George Wapple | 3 | 3 | 3 |

*Time*—2:40½; 2:41½; 2:41½.

---

RACE NO. 21—SINGLE BUGGY TROT.

District horses. Purse, one hundred dollars. Sixty dollars to first horse; thirty dollars to second; ten dollars to third. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Plumas, by Plumas | D. McIntyre | Greenville. |
| Isaac M | Charles Lawrence | Greenville, |
| Billy | C. A. Merrill | Susanville. |
| Slickens | P. Halstead | Quincy. |

SUMMARY.

| | | | |
|---|---|---|---|
| Slickens | 2 | 1 | 1 |
| Plumas | 1 | 2 | 3 |
| Isaac M | 3 | 3 | 2 |

*Time*—3:05; 3:10; 3:07.

---

RACE NO. 22—RUNNING.

Free for all. Purse, eight hundred dollars. Four hundred and eighty dollars to first horse; two hundred and forty dollars to second; eighty dollars to third. Two miles and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Dave Douglass, by Leinster | D. Dennison | Sacramento. |
| Snuffbox, by Ballotbox | Joe Dyson | Summit. |
| Lige Clark, by Ballotbox | Joe Dyson | Summit. |
| Daisy D, by Wheatly | R. B. Cockrell | Santa Rosa. |
| Susie S, by Marmaduke | A. Y. Stevenson | Santa Rosa. |
| Alcatraz, by Joe Hooker | Small & Whelan | Reno, Nev. |
| Avondale, pedigree unknown | J. J. Taylor | Santa Rosa. |
| Index, by Thad Stevens | Frank Anderson | Santa Rosa. |

SUMMARY.

| | | |
|---|---|---|
| Susie S | 1 | 1 |
| Dave Douglass | 2 | 2 |

Dave Douglass and Susie S started for the entrance money.

*Time*—3:53; 3:58.

RACE NO. 23—RUNNING.

Purse, two hundred dollars. First horse, one hundred and twenty dollars; second, sixty dollars; third, twenty dollars. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mollie McShane, by Pillbox | J. R. Cain | Susanville. |
| Ottawa, by Cousin Vic. | Jos. Dyson | Summit. |
| Nell Banta, unknown | D. W. McKenzie | Greenville. |
| Duster, by Rifleman | James Henry | Chico. |
| St. Leger, by Joe Hooker | J. F. Holland | Chico. |

SUMMARY.

| | |
|---|---|
| Mollie McShane | 1 |
| Ottawa | 2 |
| St. Leger | 3 |
| Duster | 4 |
| Nell Banta | 5 |

*Time*—0:51½.

---

RACE NO. 24—GO AS YOU PLEASE.

To drive nearest to 4:30. Purse, one hundred dollars. First horse, sixty dollars; second, thirty dollars; third, ten dollars. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sport, unknown | D. C. Hyer | Susanville. |
| George, unknown | A. McCrimmon | Susanville. |
| Isaac M, unknown | Charles Lawrence | Greenville. |
| Bay Frank, unknown | Frank Tetrean | Chico. |
| Polly, unknown | J. V. Flint | Chico. |
| Red Robin, unknown | J. R. Cain | Susanville. |
| Weasel, unknown | D. C. Hyer | Susanville. |

SUMMARY.

| | |
|---|---|
| Red Robin | 1 |
| Bay Frank | 2 |
| George | 3 |
| Weasel | 4 |

*Time*—4:33.

# TRANSACTIONS

OF THE

# TWELFTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Lake and Mendocino.

# REPORT.

LAKEPORT, October 8, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Twelfth District Agricultural Association submit this, their report of the transactions of said association, for the year.

Q. V. P. DAY, Secretary.

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | | |
| Telegraph | G. Scudamore | Lakeport | $5 00 |
| B B | A. S. Haskins | Lakeport | $10 00 |
| CLASS II—HORSES OF ALL WORK—STALLIONS. | | | |
| Rob Roy | J. R. Garner | Lower Lake | $5 00 |
| Revenue | P. Henry | Ukiah | $10 00 |
| Lafayette | Wm. Davidson | Lakeport | |
| MARES. | | | |
| Peggy Ringgold | P. Henry | Ukiah | $8 00 |
| Nettie C | G. W. Christie | Lakeport | $4 00 |
| Kate | D. C. Rumsey | Lakeport | |
| Queen | D. C. Rumsey | Lakeport | |
| Lamplight Dode | Alex. Perry | Ukiah | |
| FILLIES. | | | |
| Two years old | T. J. Faught | Lakeport | $5 00 |
| One year old | T. J. Faught | Lakeport | $4 00 |
| CLASS III—DRAFT HORSES—STALLIONS. | | | |
| Togus | W. H. Kent | Little River | $10 00 |
| Roland, Jr. | W. H. Kent | Little River | $5 00 |
| Blue Jay, colt, four months old | F. M. Burroughs | Upper Lake | $3 00 |
| FILLIES. | | | |
| Gypsy, five months old | F. M. Burroughs | Upper Lake | $3 00 |
| CLASS IX—SADDLE HORSES. | | | |
| Colonel | Maurice Keatinge | Lower Lake | $2 00 |
| Lottie, three years old | W. A. Christie | Lakeport | $5 00 |
| CLASS X—JACKS. | | | |
| Black Jack | Maurice Keatinge | Lower Lake | $10 00 |
| Don | R. Keatinge | Lower Lake | $5 00 |
| CLASS I—CATTLE—DURHAMS—BULLS. | | | |
| —— | G. Scudamore | Lakeport | |
| Ashland | W. N. Thompson | Lakeport | $10 00 |
| Jumbo | T. Manning | Lakeport | $5 00 |
| Yolo Day, calf | W. N. Thompson | Lakeport | $4 00 |
| HEIFERS. | | | |
| Lady, calf | W. N. Thompson | Lakeport | $4 00 |
| CLASS II—JERSEYS—COWS. | | | |
| Kittie | Larkin Kelsey | Lakeport | $10 00 |
| CLASS VIII—GRADED CATTLE—COWS. | | | |
| Daisy | J. M. Wooldridge | Lakeport | $8 00 |
| Star, heifer calf | G. W. Christie | Lakeport | $2 00 |
| POULTRY. | | | |
| Bronze turkeys, one pair | J. Banks | Lakeport | $2 50 |
| Light Brahmas, cock and hens | J. M. Wooldridge | Lakeport | $2 00 |
| CLASS IV—DRAFT HORSES, NORMANS, PERCHERONS, ETC. | | | |
| Daisy, five months old | D. C. Rumsey | Lakeport | $3 00 |
| Myrtle, four months old | D. C. Rumsey | Lakeport | $1 50 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS V—ROADSTERS—STALLIONS. | | | |
| Black Sultan | Geo. Ellis | Lakeport | $10 00 |
| Mat, two years old | Mat. Johnson | Upper Lake | $3 00 |
| Lanceloe, two years old | Mat. Johnson | Upper Lake | |
| Daniel Deronda, two years old | J. W. Boggs | Kelseyville | |
| Keepsake, two years old | L. H. Boggs | Lakeport | $6 00 |
| Eugene, one year old | A. G. Platt | Lakeport | |
| Oakland Boy, four months old | G. W. Christie | Lakeport | |
| Ralph C, two years old | G. W. Christie | Lakeport | |
| Oakland Alex, four months old | Alex. Perry | Ukiah | $1 00 |
| —, one year old | W. C. Helman | Ukiah | $4 00 |
| —, one year old | W. C. Helman | Ukiah | $2 00 |
| —, four months old | Seth Richabaugh | Kelseyville | $3 00 |
| MARES. | | | |
| Dolly | D. C. Rumsey | Lakeport | |
| Mattie Medium | T. Manning | Lakeport | |
| Daisy, three years old | A. G. Platt | Lakeport | |
| Bent B | L. H. Boggs | Lakeport | $8 00 |
| Fillarea | T. Manning | Lakeport | $4 00 |
| Oakland Lilly, four months old | T. Manning | Lakeport | |
| Oakland Maid, four months old | P. Henry | Ukiah | $3 00 |
| Lilly, four months old | D. C. Rumsey | Lakeport | $1 00 |
| CLASS VI—CARRIAGE TEAM. | | | |
| Bess and Frank | W. W. Thompson | Lakeport | $5 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Corn on stalk | E. P. Wray | Lakeport | $2 50 |
| Sugar corn | E. P. Wray | Lakeport | $2 50 |
| Timothy | E. P. Wray | Lakeport | $2 50 |
| One half dozen stalks of corn | H. Dorr | Lakeport | $2 50 |
| Beardless barley | G. Scudamore | Lakeport | $2 50 |
| Common barley | G. Scudamore | Lakeport | $2 50 |
| Common wheat | G. Scudamore | Lakeport | $2 50 |
| Wheat in sheaves | G. Scudamore | Lakeport | $2 50 |
| Beardless barley in sheaves | G. Scudamore | Lakeport | $2 50 |
| Common barley in sheaves | G. Scudamore | Lakeport | $2 50 |
| Bale of hops | T. J. Faught | Lakeport | $5 00 |
| Snowflake wheat | J. M. Combs | Lakeport | $2 50 |
| Alfalfa seed | J. Phillips | Upper Lake | $2 50 |
| Beets | H. C. Wilkinson | Lakeport | |
| Strawberries | N. T. Wooldridge | Lakeport | |
| CLASS II. | | | |
| Garden seeds | M. Keatinge | Lower Lake | $10 00 |
| Watermelon | M. Keatinge | Lower Lake | $1 00 |
| Irish potatoes and vegetables | M. Keatinge | Lower Lake | |
| Irish potatoes | R. P. Eachus | Lakeport | $10 00 |
| Irish potatoes | W. Coggswell | Lakeport | $7 50 |
| Irish potatoes | E. P. Wray | Lakeport | $5 00 |
| Pumpkins | W. B. McCabe | Kelseyville | $1 00 |
| Squashes | W. B. McCabe | Kelseyville | $1 00 |
| Sweet potatoes | J. Phillips | Upper Lake | $2 50 |
| Tomatoes | R. P. Eachus | Lakeport | $1 00 |
| Onions | R. P. Eachus | Lakeport | $1 00 |
| Cabbage | W. D. Ashill | Lower Lake | |
| Irish potatoes | J. W. Anneth | Kelseyville | |
| Tomatoes | G. Scudamore | Lakeport | |
| Dry beans | W. D. Rantz | Lakeport | |
| Irish potatoes | W. D. Rantz | Lakeport | |

FIRST DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Tomatoes | J. Phillips | Upper Lake | |
| Sweet potatoes | R. P. Eachus | Lakeport | |
| Cabbage | R. P. Eachus | Lakeport | |
| General display of garden vegetables | E. P. Wray | Lakeport | $5 00 |
| Cabbage | E. P. Wray | Lakeport | $1 00 |
| Irish potatoes | W. K. Vickray | Lakeport | |
| Mangel-wurzel beets | N. T. Wooldridge | Lakeport | |
| Pumpkins | W. A. Eachus | Lakeport | |
| Green beans | E. P. Wray | Lakeport | $1 00 |
| Dry beans | E. P. Wray | Lakeport | $1 00 |
| Peas | E. P. Wray | Lakeport | $1 00 |
| Pumpkins | E. P. Wray | Lakeport | |
| Irish potatoes | Chas. Hurt | Round Valley | |
| Onions from seed | Chas. Hurt | Round Valley | |
| Garden seeds | H. Wambold | Blue Lakes | $5 00 |
| CLASS III. | | | |
| Collection of grasses | Ada Bradley | Lakeport | $2 00 |
| Foliage plants | Mrs. M. Simpson | Lakeport | |
| Plants in bloom | Mrs. J. W. Mackall | Lakeport | $3 00 |
| Cut flowers | Mrs. E. P. Wray | Lakeport | $5 00 |
| Cut flowers | Mrs. D. C. Rumsey | Lakeport | |
| CLASS IV. | | | |
| Cheese | R. W. Rupe | Willits | $2 50 |
| Four loaves of bread | Mrs. I. Christie | Lakeport | $2 50 |
| Four loaves of bread | Mrs. J. Banks | Lakeport | |
| Four loaves of bread | Mrs. G. H. Lyon | Lakeport | $2 00 |
| Butter | G. Scudamore | Lakeport | $2 50 |
| Butter | Mrs. L. Sailor | Lakeport | |
| Cheese | Mrs. L. Sailor | Lakeport | |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best display and variety of pears | G. Scudamore | Lakeport | $10 00 |
| Best display and variety of pears | E. P. Wray | Lakeport | $7 00 |
| Best display and variety of pears | H. Dorr | Lakeport | $5 00 |
| Best display and variety of pears | M. Runnells | Lower Lake | $3 00 |
| Best display and variety of pears | A. J. Mothersaid | Kelseyville | $1 00 |
| Best display and variety of pears | Jos. Mendenhall | Upper Lake | |
| Best display and variety of pears | George Tucker | Lakeport | |
| Pears | W. D. Rantz | Lakeport | |
| Pears | M. Keatinge | Lower Lake | |
| Pears | Sam. Morrison | Lakeport | |
| Pears | L. P. Berger | Lakeport | |
| Best display and variety of apples | G. Scudamore | Lakeport | $10 00 |
| Best display and variety of apples | E. P. Wray | Lakeport | $7 00 |
| Best display and variety of apples | M. Keatinge | Lower Lake | $5 00 |
| Best display and variety of apples | M. Runnells | Lower Lake | $3 00 |
| Best display and variety of apples | Jos. Mendenhall | Upper Lake | $1 00 |
| Apples | P. Coppinger | Lakeport | |
| Apples | A. J. Mothersaid | Kelseyville | |
| Apples | Sam. Morrison | Lakeport | |
| Apples | L. P. Berger | Lakeport | |
| Best display and variety of peaches | M. Keatinge | Lower Lake | $10 00 |
| Best display and variety of peaches | L. P. Berger | Lakeport | $7 00 |
| Best display and variety of peaches | G. Scudamore | Lakeport | $5 00 |
| Best display and variety of pepches | J. R. Thomas | Redwood Valley | $3 00 |
| Best display and variety of peaches | Jos. Mendenhall | Upper Lake | $1 00 |
| Peaches | F. Weideman | Lakeport | |
| Peaches | A. J. Mothersaid | Kelseyville | |
| Peaches | Sam. Morrison | Lakeport | |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best display and variety of plums | G. Scudamore | Lakeport | $10 00 |
| Best display and variety of plums | L. P. Berger | Lakeport | $7 00 |
| Best display and variety of figs | L. P. Berger | Lakeport | $8 00 |
| Japan plums | Orin Bishop | Lakeport | |
| Figs | Jas. Phillips | Upper Lake | |
| Quinces | Mrs. J. L. Smyth | Lakeport | $5 00 |
| Quinces | G. Scudamore | Lakeport | $3 00 |
| French prunes | M. Keatinge | Lower Lake | $10 00 |
| English walnuts | Sam. Morrison | Lakeport | |
| CLASS II. | | | |
| Jellies and jams | Ada Bradley | Lakeport | $5 00 |
| Jellies and jams | Mrs. W. E. Hixon | Lakeport | $3 00 |
| Jellies and jams | Mrs. R. T. Polk | Lakeport | $10 00 |
| Fruit in glass | M. Wambold | Lakeport | $10 00 |
| Fruit in glass | Mrs. M. Keatinge | Lower Lake | $5 00 |
| Fruit in glass | G. Scudamore | Lakeport | $3 00 |
| Display of pickles | Mrs. E. P. Wray | Lakeport | $2 50 |
| Jellies and jams | Mrs. E. P. Wray | Lakeport | $5 00 |
| Jellies and jams | G. Scudamore | Lakeport | $3 00 |
| Brandied peaches | Miss H. A. Bole | Kelseyville | $2 50 |
| Fruit in glass | Ada Bradley | Lakeport | $3 00 |
| Fruit in glass | H. C. Wilkinson | Lakeport | $3 00 |
| Fruit in glass | Mrs. M. Simpson | Lakeport | |
| Jellies and jams | Mrs. Dora Rowden | Kelseyville | $5 00 |
| Display of fruits | M. Keatinge | Lower Lake | G. med. |
| CLASS III. | | | |
| Dried nectarines | H. Dorr | Lakeport | $2 50 |
| Dried apples | W. D. Rantz | Lakeport | $2 50 |
| Dried plums | W. D. Rantz | Lakeport | |
| Dried apples | M. Keatinge | Lower Lake | |
| Dried peaches | M. Keatinge | Lower Lake | |
| Dried plums | M. Keatinge | Lower Lake | |
| Dried prunes | M. Keatinge | Lower Lake | |
| Dried peaches | M. Runnells | Lower Lake | $2 50 |
| Dried plums | M. Runnells | Lower Lake | $2 50 |
| Dried prunes | H. C. Wilkinson | Lakeport | $5 00 |
| Dried prunes | Mrs. D. C. McDougal | Lakeport | $2 50 |
| Walnuts | Jas. Phillips | Upper Lake | |
| CLASS IV. | | | |
| Grapes | Nelson McNeil | Lakeport | |
| Display and variety of grapes | M. Keatinge | Lower Lake | $10 00 |
| Display and variety of grapes | L. P. Berger | Lakeport | $20 00 |
| Table grapes | L. P. Berger | Lakeport | $5 00 |
| Table grapes | J. Mendenhall | Upper Lake | $2 50 |
| Display of wine grapes | M. Keatinge | Lower Lake | $10 00 |
| Display of wine grapes | L. P. Berger | Lakeport | $7 50 |
| Table grapes | H. C. Wilkinson | Lakeport | |
| Display of grapes | W. D. Ashill | Lower Lake | |
| CLASS V. | | | |
| Zinfandel and Riesling | L. P. Berger | Lakeport | Diploma. |
| Zinfandel, Riesling, and Sauvignon Verte | S. C. Hastings | Lakeport | Diploma. |
| Zinfandel, Riesling, and Burger | H. F. Parks | Lower Lake | Diploma. |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Brick | E. C. Stecker | Lakeport | |
| Furniture | W. E. Green | Lakeport | $5 00 |
| Mantel board | J. H. Lyon & Son | Lakeport | $5 00 |
| Double harness | J. F. Edmonds | Lakeport | $5 00 |
| Single harness | J. F. Edmonds | Lakeport | $3 00 |
| Display of harness | J. F. Edmonds | Lakeport | $5 00 |
| One pair of gent's dress boots | J. B. Muellen | Lakeport | $2 50 |
| Two pairs of gent's dress shoes | J. B. Muellen | Lakeport | $2 50 |
| Display of boots and shoes | J. B. Muellen | Lakeport | |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Knit shawl | Miss Kate Bray | Lakeport | $2 50 |
| Lady's knit skirt | Miss Kate Bray | Lakeport | |
| Lady's knit skirt | Miss Sallie Christie | Lakeport | $2 50 |
| Skirt with knit lace | Miss Sallie Christie | Lakeport | $2 00 |
| Goose quill wreath | Mrs. Spencer | Lakeport | $2 00 |
| Pincushion | I. Vickroy | Lakeport | $2 00 |
| Knit skirt | I. Vickroy | Lakeport | $2 00 |
| Knit lace | I. Vickroy | Lakeport | |
| Lady's apron | I. Vickroy | Lakeport | |
| Table scarf | Mrs. M. Hobbs | Lakeport | $1 00 |
| Sofa cushion | Mrs. M. Hobbs | Lakeport | |
| Mantel lambrequin | Mrs. M. Hobbs | Lakeport | $2 50 |
| Eleven oil paintings | Maud Hobbs | Lakeport | $10 00 |
| Three oil paintings | Iva Gulley | Lakeport | $2 00 |
| Mantel lambrequin | Mrs. J. W. Blake | Lakeport | |
| Display of etching | Mrs. J. W. Blake | Lakeport | $2 50 |
| Crochet work | Miss Ada Bradley | Lakeport | |
| Knitted lace | Miss M. A. Dickenson | Lakeport | $2 00 |
| Crochet lace | Miss M. A. Dickenson | Lakeport | |
| Carriage afghan | Miss M. A. Dickenson | Lakeport | $2 50 |
| Three water color paintings | Mrs. M. Arnold | Lakeport | |
| Three aprons | Miss Ada Bradley | Lakeport | $2 00 |
| Pillow cases | Miss Ada Bradley | Lakeport | |
| Lady's skirt | Miss Ada Bradley | Lakeport | $2 00 |
| Patchwork quilt | Mrs. Atkinson | Lakeport | $2 50 |
| Table scarf | Miss J. Ruddell | Lakeport | $2 00 |
| Two oil paintings | Mrs. M. Keatinge | Lower Lake | |
| Pencil drawing | Mrs. M. Keatinge | Lower Lake | |
| Child's afghan | Mrs. Ed. Norris | Lakeport | $2 00 |
| Display of paintings | Miss Mary Phelan | Lakeport | $7 50 |
| Log cabin quilt | Mrs. A. Olsen | Kelseyville | $2 00 |
| Table cover | Mrs. A. Olsen | Kelseyville | $2 50 |
| Oil paintings | Miss Everett | Lakeport | $1 50 |
| Two patchwork quilts | Miss E. Johnson | Lakeport | $2 50 |
| Knit lace | Miss E. Johnson | Lakeport | |
| Painted handkerchief | Mrs. M. Simpson | Lakeport | |
| Silk patchwork quilt | Mrs. M. E. Hixon | Lakeport | $2 50 |
| Display of millinery | Mrs. Belle Lee | Lakeport | $5 00 |
| Display of bazaar | Mrs. Belle Lee | Lakeport | |
| Baby dress | Mrs. Belle Lee | Lakeport | $1 00 |
| Embroidered banner | Mrs. Belle Lee | Lakeport | |
| Embroidered footstool | Mrs. Belle Lee | Lakeport | $2 00 |
| Drawn thread apron | Mrs. Belle Lee | Lakeport | |
| Three crochet skirts | Miss E. McCawley | Lakeport | |
| Silk lace and tatting | Miss E. McCawley | Lakeport | |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Display of paintings | Mrs. J. W. Mackall | Lakeport | $5 00 |
| Embroidered sofa pillow | Mrs. J. W. Mackall | Lakeport | $2 50 |
| Paintings on plush | Mrs. J. W. Mackall | Lakeport | |
| Display of moss | Mrs. J. W. Mackall | Lakeport | $2 00 |
| Embroidered wall panel | Mrs. J. W. Mackall | Lakeport | $2 00 |
| Raised embroidery | Mrs. W. N. Thompson | Lakeport | $2 50 |
| Crochet lace | Miss Nora Thompson | Lakeport | |
| Embroidery | Mrs. Ella Hardy | Lakeport | $2 50 |
| Ornamental grasses | Miss H. A. Bole | Kelseyville | $2 00 |
| Crocheting | Gertie Wayne | Lakeport | $2 00 |
| Kensington painting | Mrs. W. E. Hixon | Lakeport | $2 50 |
| Ornamental grasses | Mrs. D. C. Rumsey | Lakeport | |
| Display of millinery | Miss Clara Chapman | Lakeport | $5 00 |
| Crochet scarf | Miss Belle Male | Lakeport | $2 00 |
| Natural preserved flowers | Miss Cammella Mackall | Lakeport | $2 00 |
| Water color paintings | A. Phillips | Lakeport | $5 00 |
| Knit lace curtains | Mrs. Simpson | Lakeport | $2 50 |
| Ornamental grasses | L. P. Berger | Lakeport | |
| Scarf in etching | Miss Stein | Lakeport | $2 00 |
| Applique work | Miss M. Tunis | Lakeport | $2 00 |
| Drawn thread work | Mrs. Chas. Piner | Kelseyville | $2 00 |
| Plush ribbon work | Mrs. Hixon | Lakeport | |
| Chamois bag, painted | Mrs. Hixon | Lakeport | $1 00 |
| Painting on swiss | Mrs. Hixon | Lakeport | $1 50 |
| Best woven work | Mrs. Ross | Lakeport | $2 00 |
| Best display of paintings | Mrs. M. Arnold | Lakeport | |
| Largest and best display of fancy articles | Mrs. J. Vickroy | Lakeport | $5 00 |
| Painting | Mrs. D. C. Rumsey | Lakeport | |
| CLASS II. | | | |
| Crochet shawl | Rosa Green | Lakeport | $2 00 |
| Pen drawing | Eddie Dean | Ukiah | $2 00 |
| Embroidered skirt | Miss Sallie Christie | Lakeport | $2 00 |
| Four oil paintings | Edith Alexander | | $2 00 |
| Tidy | Mabel Hughes | | $2 00 |
| Apron | Willie Whittier | | $2 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Map of Twelfth Agricultural District | Charles Chalfant | Ukiah | |
| Map of Twelfth Agricultural District | Charles Mannon | Ukiah | $10 00 |
| Bookkeeping | Sophia Stevens | Kelseyville | $10 00 |
| Bookkeeping | Laura Emmerson | Upper Lake | |
| Penmanship | Bertha Howe | Kelseyville | $5 00 |
| Penmanship | Cammella Mackall | Lakeport | |
| Primary School exhibit | West Lake School District | | $20 00 |
| Grammar grade exhibit | Lower Lake Public School | Lower Lake | |
| Grammar grade exhibit | Spruce Grove District | Lower Lake | |
| Grammar grade exhibit | Kelseyville Dist. | Kelseyville | |
| Grammar grade exhibit | Excelsior District | Lower Lake | $20 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Fruit trees | R. P. Eachus | Lakeport | $5 00 |
| Plaque | Mrs. M. Arnold | Lakeport | $2 00 |
| Pillow shams | Mrs. G. Moore | Lakeport | $1 00 |
| Splasher | Mrs. G. Moore | Lakeport | $1 00 |
| Display of soap | Mrs. M. Simpson | Lakeport | $2 50 |
| Hair wreath | Mrs. A. Olsen | Kelseyville | |
| Stuffed birds | Miss H. A. Bole | Kelseyville | $10 00 |
| Picture frame | Edith Alexander | Lakeport | $1 00 |
| Hammered work | Mrs. J. W. Mackall | Lakeport | $2 00 |
| Well-boring and drill machine | M. Wambold | Lakeport | $5 00 |
| Fruit trees | E. P. Wray | Lakeport | $5 00 |
| Onion sets | E. P. Wray | Lakeport | $1 00 |
| Berries | E. P. Wray | Lakeport | $1 00 |
| Brandy | Edge Hill Vineyard Company | St. Helena | Diploma. |
| Singer sewing machine | A. Phillips | Lakeport | Diploma. |
| Blackberry wine | N. T. Wooldridge | Lakeport | Diploma. |
| General display of drugs and perfumery | C. E. Phelan | Lakeport | $5 00 |
| Gourds | N. T. Wooldridge | Lakeport | |
| French painting | Mrs. J. W. Mackall | Lakeport | |
| Stock carrots | E. P. Wray | Lakeport | |
| Mangel-wurzel beets | E. P. Wray | Lakeport | |
| Display of yarn | Clara Chapman | Lakeport | |
| Table beets | G. Scudamore | Lakeport | $1 00 |
| Stock beets | E. P. Wray | Lakeport | $1 00 |
| Crayon paintings | Ella Hanson | Lower Lake | $10 00 |
| Japan persimmons | J. Mendenhall | Upper Lake | $1 00 |

# SPEED PROGRAMME.

TUESDAY, SEPTEMBER 18, 1888.

RACE No. 1—RUNNING.

Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ito, br. s. | D. McGovern | Petaluma. |
| Dick Turpin, b. g. | George Lambert | Willits. |
| Jack Brady, b. s. | H. Stover | Petaluma. |
| Billy Goggins, b. s. | L. H. Redwine | Ukiah. |

SUMMARY.

Dick Turpin ..... 1
Jack Brady ..... 2
Ito ..... 3
Billy Goggins ..... 4

RACE No. 2—RUNNING.

Half mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jack Brady, b. s. | H. Stover | Petaluma. |
| City, s. g. | George Lambert | Willits. |
| St. Patrick, s. g. | D. McGovern | Petaluma. |

SUMMARY.

City .....
Jack Brady .....
St. Patrick ..... 3

RACE No. 3—TROTTING.

Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lancelo, blk. s. | George Ellis | Lakeport. |
| Doctor | T. Charlton | Ukiah. |
| Daniel Deronda, b. s. | J. W. Boggs | Kelseyville. |

SUMMARY.

Daniel Deronda ..... 1
Doctor ..... 2
Lancelo ..... 3

WEDNESDAY, SEPTEMBER 19, 1888.

RACE NO. 4—RUNNING.

Five-eighth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Cito, s. g. | Geo. Lambert | Willits. |
| Jim Crow, b. g. | E. R. Wright | Ukiah. |
| Dick Turpin, b. g. | Tom Charlton | Ukiah. |
| Twilight, b. m. | P. E. Smith | Lower Lake. |
| Lula B, b. m. | P. E. Smith | Lower Lake. |
| Wormwood, b. m. | W. T. Whitton | Lakeport. |
| Maxey Cobb, g. g. | H. F. Force | Ukiah. |

SUMMARY.

| | |
|---|---|
| Cito | 1 |
| Dick Turpin | 2 |
| Twilight | 3 |

RACE NO. 5—RUNNING.

Three-eighth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Twilight, b. m. | P. E. Smith | Lower Lake. |
| Lady Washington, g. m. | W. F. Whitton | Lakeport. |
| Lula B, b. m. | P. E. Smith | Lower Lake. |
| Wormwood, b. m. | W. F. Whitton | Lakeport. |
| White Stockings, b. m. | B. F. Gould | Lower Lake. |
| Billy the Kid | J. C. Burger | Lakeport. |

SUMMARY.

| | |
|---|---|
| Billy the Kid | 1 |
| Lula B | 2 |
| White Stockings | 3 |

RACE NO. 6—TROTTING.

Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| B, b. m. | A. L. Adams | Kelseyville. |
| Lillie, g. m. | H. M. Kingsbury | Guinoc. |
| Keepstake, b. s. | L. H. Boggs | Lakeport. |
| Daisy P, b. m. | Geo. Ellis | Lakeport. |

SUMMARY.

| | |
|---|---|
| Keepstake | 1 |
| Lillie | dis. |
| B | dis. |

THURSDAY, SEPTEMBER 20, 1888.

RACE No. 7—RUNNING.

Free for all. One half mile; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jack Brady, b. h. | H. Stover | Petaluma. |
| Cito, s. g. | Geo. Lambert | Willits. |
| Ito, b. h. | W. H. Kelsey | Lakeport. |
| White Stockings, s. m. | B. F. Gould | Lower Lake. |

SUMMARY.

Cito ..... 1
Jack Brady ..... 2
Ito ..... 3

Time—0:50¼; 0:50¼; 0:51.

RACE No. 8—TROTTING.

Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Babe, s. m. | T. Charlton | Ukiah. |
| Daisy, b. m. | W. C. Helman | Ukiah. |
| Jim Crow, b. g. | E. R. Wright | Ukiah. |
| Doctor, s. g. | G. Lambert | Willits. |
| Maxey Cobb, g. g. | H. T. Force & Co. | Ukiah. |

SUMMARY.

Jim Crow ..... 1
Babe ..... 2
Daisy ..... 3

*Time*—3:20; 3:20½; 3:10¾; 3:27; 3:12.

FRIDAY, SEPTEMBER 21, 1888.

RACE No. 9—RUNNING.

Three eighths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dick Turpin, b. g. | T. Charlton | Ukiah. |
| Billy Goggins, b. s. | T. Charlton | Ukiah. |
| Lula B, b. m. | P. E. Smith | Lower Lake. |
| Ito, b. s. | D. McGovern | Petaluma. |
| Twilight, b. m. | P. E. Smith | Lower Lake. |

SUMMARY.

Dick Turpin ..... 1
Lula B ..... 2
Ito ..... 3

*Time*—0:36½.

RACE No. 10—RUNNING.

Half mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Twilight, b. m. | P. E. Smith | Lower Lake. |
| Wormwood, b. m. | W. T. Whitton | Lakeport. |
| Frank D, r. g. | L. W. Redwine | Ukiah. |

SUMMARY.

Twilight ..... 1
Frank D ..... 2
Wormwood ..... 3

*Time*—0:55; 0:56.

RACE No. 11—TROTTING.

Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Daisy, b. m. | L. G. Simmons | Lakeport. |
| Latoka, b. m. | H. R. Bolter | Kelseyville. |
| Plume, m. m. | H. M. Kingsbury | Guinoc. |
| Oscar Bailess, b. s. | C. R. Harrington | Lakeport. |

SUMMARY.

Oscar Bailess ..... 1
Latoka ..... 2
Plume ..... 3

*Time*—3:11¼; 3:16¾; 3:14¼.

SATURDAY, SEPTEMBER 22, 1888.

RACE No. 13—RUNNING.

Free for all. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jack Brady | H. Stover | Petaluma. |
| Cito | Geo. Lambert | Willits. |
| St. Patrick | W. H. Kelsey | Lakeport. |
| Oscar Wild | W. H. Kelsey | Lakeport. |
| Blackstone | J. T. Homer | Sacramento. |

SUMMARY.

Jack Brady ..... 1
Cito ..... 2
Oscar Wild ..... 3
St. Patrick ..... 4

*Time*—1:46; 1:47¾.

# TRANSACTIONS

OF THE

# THIRTEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Sacramento, Sutter, Yolo, and Yuba.

# OFFICERS OF THE ASSOCIATION.

D. E. KNIGHT ..... President.
T. J. SHERWOOD ..... Secretary.
J. J. SHAFFER ..... Treasurer.

## DIRECTORS.

J. W. WILSON ..... Sacramento.
J. H. KIMBALL ..... Yuba City.
JAMES LITTLEJOHN ..... Yuba City.
C. F. REED ..... Grafton.
A. D. CUTTS ..... Marysville.
M. MARCUSE ..... Marysville.
D. E. KNIGHT ..... Marysville.
C. A. GLIDDEN ..... Marysville.

# REPORT.

MARYSVILLE, November 24, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Thirteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

T. J. SHERWOOD, Secretary.

## RECEIPTS AND EXPENDITURES.

| 1888. | *Receipts.* | | |
|---|---|---|---|
| Jan. 1 | By cash on hand | $355 21 | |
| Aug. 28 | By advertising in premium list | 60 00 | |
| Sept. 1 | By subscriptions | 1,625 64 | |
| | By entrance to races | 1,610 00 | |
| | By donated premiums | 228 00 | |
| | By pavilion receipts | 521 40 | |
| | By gate receipts | 1,295 75 | |
| | By pool privilege | 313 00 | |
| | By wagon tickets | 56 00 | |
| | By quarter badges | 30 00 | |
| | By State appropriation | 2,000 00 | |
| | By President Knight (donated) | 272 89 | |
| | | | $8,367 89 |

| 1888. | *Expenditures.* | | |
|---|---|---|---|
| Jan. 1 | Paid Mrs. M. A. Lynch for lost handkerchief | $25 00 | |
| Jan. 1 | Paid advertising for lost handkerchief | 4 80 | |
| April 28 | Paid National Association dues and sundry bills | 403 20 | |
| Sept. 1 | Paid purses for races | 4,281 00 | |
| | Paid premiums on exhibits | 2,029 50 | |
| | Paid labor at fair grounds | 370 00 | |
| | Paid labor at pavilion | 315 15 | |
| | Paid printing and advertising | 335 15 | |
| | Paid rent, light, music, etc. | 281 70 | |
| | Paid sundry expenses, posting, etc. | 33 50 | |
| | Paid sundry bills by D. E. Knight | 288 89 | |
| | | | $8,367 89 |

# EXHIBITS AT THE FAIR—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBREDS. | | |
| Monarch, stallion | J. B. Ramsey | Meridian. |
| Sutter Maid, mare | J. B. Ramsey | Meridian. |
| Emma D, suckling colt | J. B. Ramsey | Meridian. |
| CLASS II—GRADED HORSES. | | |
| Gus Payne, stallion, seven years old | J. B. Ramsey | Meridian. |
| Alhambra, stallion, two years old | P. McCune | Yuba City. |
| Banquet, stallion, two years old | C. F. Lucas | Marysville. |
| Yuba Maid, mare, eighteen years old | F. E. Griffith | Marysville. |
| Minnie O, filly, two years old | W. C. Ogden | Marysville. |
| May C, filly, two years old | P. Coats | Yuba City. |
| Avalanche, stallion, one year old | F. E. Griffith | Marysville. |
| Allie Wilkes, filly, one year old | P. Coats | Yuba City. |
| Alpha, yearling filly | J. J. McGrath | Marysville. |
| CLASS III—HORSES OF ALL WORK. | | |
| Frank, stallion, four years old | J. M. Cutts | Marysville. |
| Granger, stallion, seven years old | Samuel Harding | Marysville. |
| Nellie R, mare, eleven years old | S. E. Inlow | Marysville. |
| Ida, mare, six years old | C. A. Glidden | Marysville. |
| CLASS IV—DRAUGHT HORSES. | | |
| Stonewall, stallion, seven years old | C. A. Glidden | Marysville. |
| Jumbo, stallion, eight years old | R. W. Tharp | Yuba City. |
| Young Nell, mare, three years old | C. Matthews | Marysville. |
| Belle, mare, seven years old | C. A. Glidden | Marysville. |
| CLASS V—ROADSTERS. | | |
| Alcantare, stallion, six years old | J. B. Ramsey | Meridian. |
| Challenge, stallion, fifteen years old | George Ohleyer | Yuba City. |
| Billy, gelding, four years old | William Doty | Meridian. |
| Ginger, gelding, five years old | P. McCune | Yuba City. |
| Esmeralda, mare, eight years old (special) | Suel Harris | Yuba City. |
| Racket, mare, graded, six years old (special) | James Nesbitt | Yuba City. |
| Alcantare, stallion and family of five colts | J. B. Ramsey | Meridian. |
| Queen of Sutter, filly, two years old | George Ohleyer | Yuba City. |
| CLASS VI—CARRIAGE HORSES. | | |
| Jake and Seymour, span of matched carriage horses | M. Marcuse & Co. | Marysville. |
| Dolly, single carriage mare | J. B. Ramsey | Meridian. |
| CLASS VIII—SADDLE HORSES. | | |
| Daisy, gelding, eight years old | C. A. Glidden | Marysville. |
| Doctor, gelding, six years old | S. E. Inlow | Marysville. |
| CLASS IX—COLTS. | | |
| Roderick | S. E. Inlow | Marysville. |
| Jenny | S. E. Inlow | Marysville. |
| Betty | C. A. Glidden | Marysville. |
| Morgan | C. A. Glidden | Marysville. |
| CLASS X—SWEEPSTAKES. | | |
| Monarch, stallion, six years old | J. B. Ramsey | Meridian. |
| Emma R, mare, seven years old | P. Coats | Yuba City. |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XI—MULES. | | |
| Dandy, mule, one year old | George Ohleyer | Yuba City. |
| John, jack, seven years old | E. H. Gould | Honcut. |
| Emma, jenny, six years old | E. H. Gould | Honcut. |
| CLASS XII—DURHAM CATTLE. | | |
| Red King, bull, three years old | J. Peters | Nicolaus. |
| Young Creasant, bull, one year old | J. Peters | Nicolaus. |
| Lucy, cow, eight years old | J. Peters | Nicolaus. |
| Grace, cow, five years old | J. Peters | Nicolaus. |
| Stonewall, bull calf, three months old | J. Peters | Nicolaus. |
| Bismarck, bull calf | J. Peters | Nicolaus. |
| Topsy, heifer calf, three months old | J. Peters | Nicolaus. |
| Jennie, heifer calf | J. Peters | Nicolaus. |
| CLASS XIII—JERSEYS. | | |
| Reuben B, five years old | J. Proper | Yuba City. |
| Arthur, bull, four years old | V. C. Putman | Marysville. |
| Jersey Bell, cow, six years old | J. Greely | Marysville. |
| Marysville Beauty, cow, two years old | J. Greely | Marysville. |
| Rose Queen, cow, four years old | C. Matthews | Marysville. |
| Pride of Yuba, calf, nine months old | J. Greely | Marysville. |
| CLASS XVIII—HOLSTEINS. | | |
| King Wm. 2d, bull, three years old | J. H. Kimball | Marysville. |
| Alf, bull, one year old | R. C. Kells | Yuba City. |
| Dandy, bull calf | R. Hall & Son | Meridian. |
| Lady Kooman, cow, three years old | R. C. Kells | Yuba City. |
| Viega Rucker, cow, eight years old | R. Hall & Son | Marysville. |
| Olinet, cow, two years old | R. C. Kells | Yuba City. |
| Black Dona, A. Angus, yearling heifer | J. H. Kimball | Yuba City. |
| Mary Jane, A. Angus heifer | J. H. Kimball | Yuba City. |
| Anna Jane, Holstein heifer | J. H. Kimball | Yuba City. |
| Young Lee, Holstein heifer | J. H. Kimball | Yuba City. |
| Emma, A. Angus yearling | J. H. Kimball | Yuba City. |
| Sutterman, bull calf (special) | R. C. Kells | Yuba City. |
| H. Angelo, bull calf | R. C. Kells | Yuba City. |
| Black Prince, graded bull calf (special) | Frank Miner | Marysville. |
| Nell, heifer calf five months old | A. W. Lewis | Marysville. |
| Queen, graded bull calf (special) | R. Hall & Son | Marysville. |
| Rose, bull calf (special) | R. Hall & Son | Marysville. |
| CLASS XIX—HERDS. | | |
| Herd of Holsteins | R. C. Kells | Yuba City. |
| Herd of Durhams | J. Peters | Nicolaus. |
| Herd of Aberdeen Angus | J. H. Kimball | Yuba City. |
| CLASS XXII—MERINO SHEEP. | | |
| Ram, two years old | J. Proper | Yuba City. |
| Pen of five ewes, one year old | J. Proper | Yuba City. |
| Three lambs | J. Proper | Yuba City. |
| Ram, one year old | John McAlpine | Yuba City. |
| Ram, one year old | John McAlpine | Yuba City. |
| Pen of three rams | John McAlpine | Yuba City. |
| Three ram lambs | John McAlpine | Yuba City. |
| CLASS XXVI—BERKSHIRE SWINE. | | |
| Boar, two years old | C. Matthews | Marysville. |
| Boar, six months old | C. Matthews | Marysville. |
| Sow, two years old | R. C. Kells | Yuba City. |
| Sow, two years old | John McAlpine | Yuba City. |
| Sow, six months old | C. Matthews | Marysville. |
| Eight pigs | John McAlpine | Yuba City. |
| Pair of pigs, six months old | C. Matthews | Marysville. |
| Two pigs, six months old | James Farrell | Marysville. |
| Boar, eight months old | R. C. Kells | Yuba City. |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XXVIII—POLAND-CHINA SWINE. | | |
| Sow, two years old | R. C. Kells | Yuba City. |
| Sow, six months old | R. C. Kells | Yuba City. |
| Sow | James Farrell | Marysville. |
| Pigs, with sow | James Farrell | Marysville. |
| Pigs | R. C. Kells | Yuba City. |
| Boar, eight months old | R. C. Kells | Yuba City. |
| CLASS XXX—POULTRY. | | |
| Houdans and Silver-Spangled Hamburgs | Mrs. James Taylor | Marysville. |
| W. F. B. Spanish and Brown Leghorns | Mrs. W. A. Wederein | Marysville. |
| Blue Leghorn chicks | Mrs. M. Mahony | Marysville. |
| White Leghorn chicks | Mrs. A. Devolt | Marysville. |
| Game chickens, three varieties | W. M. Jefferds | Browns Valley. |
| White Pile and Black Spanish | W. M. Jefferds | Browns Valley. |
| Bronze turkeys | Mrs. E. Matthews | Marysville. |
| Japanese Game fowls | Joseph Bradley | Marysville. |
| Brown Leghorn chicks | Andrew Bligh | Marysville. |
| Shanghai chickens | Henry Bahrenberg | Marysville. |
| Partridge Cochins and Cayuga ducks | Mrs. M. Farrell | Marysville. |
| Bronze turkeys and geese | Mrs. M. Farrell | Marysville. |
| Hamburg chickens | Henry Hyde | Marysville. |
| Spanish chickens | May Santry | Marysville. |
| Ducks and Bantam chicks | Allan Pinkard | Yuba City. |
| Wyandottes, Langshans, and Game | W. H. Plymire | Marysville. |
| Bantam chickens | Charles Swezey | Marysville. |
| White Leghorns and Plymouth Rocks | E. Brow | Marysville. |
| Blue Leghorns | W. M. Davidson | Marysville. |
| Two kinds of turkeys | J. H. Wise | Marysville. |
| Langshans and White Leghorns | R. C. Kells | Yuba City. |
| Plymouth Rocks and chicks | R. C. Kells | Yuba City. |
| Bronze turkeys and White geese | D. McGrath | Marysville. |
| Two tame deer | J. G. Robertson | Marysville. |

# PREMIUMS AWARDED—1888.

## MISCELLANEOUS DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best general display of fruit of all kinds | Abbott & Phillips | Yuba City | Dip., $30 |
| Second largest exhibit of dried fruit | Abbott & Phillips | Yuba City | $10 00 |
| First on apples, peaches, and plums | Abbott & Phillips | Yuba City | $25 00 |
| First on dried peaches, prunes, and figs | Abbott & Phillips | Yuba City | $13 00 |
| Second on pears, nectarines, and plums | Abbott & Phillips | Yuba City | $8 00 |
| Second on tobacco and apricots | Abbott & Phillips | Yuba City | $6 00 |
| Best and largest exhibit of grapes | J. P. Onstott | Yuba City | Dip., $30 |
| First on table grapes, wine grapes, and seedless | J. P. Onstott | Yuba City | $25 00 |
| First on three varieties of apples and three varieties of pears | J. P. Onstott | Yuba City | $10 00 |
| First on plums, and second on figs | J. P. Onstott | Yuba City | $7 00 |
| First on general display of nuts | T. B. Hull | Yuba City | Dip., $10 |
| First on soft and hard shell almonds | T. B. Hull | Yuba City | $8 00 |
| First on hardy and Snowflake wheat | T. B. Hull | Yuba City | $8 00 |
| First on alfalfa seed and Egyptian corn | T. B. Hull | Yuba City | $6 00 |
| First on best three varieties of peaches | T. B. Hull | Yuba City | $5 00 |
| Second on general exhibit of wheat | T. B. Hull | Yuba City | $10 00 |
| Second on club wheat, barley, and melons | T. B. Hull | Yuba City | $10 00 |
| Third on English walnuts and plums | T. B. Hull | Yuba City | $3 00 |
| Third on general display of fruit | T. B. Hull | Yuba City | $10 00 |
| Third on six varieties of apples and pears | T. B. Hull | Yuba City | $5 00 |
| Second best general display of fruit | Mrs. R. Keck | Yuba City | Dip., $20 |
| First on six varieties of pears | Mrs. R. Keck | Yuba City | $10 00 |
| First on Havana tobacco, squashes, and melons | Mrs. R. Keck | Yuba City | $8 00 |
| First on English walnuts and seeds | Mrs. R. Keck | Yuba City | $5 00 |
| Second on six varieties of apples | Mrs. R. Keck | Yuba City | $5 00 |
| Second on green and dried figs | Mrs. R. Keck | Yuba City | $3 00 |
| Third on peaches, plums, and prunes | Mrs. R. Keck | Yuba City | $7 00 |
| Best general exhibit of melons, etc. | Mrs. R. Keck | Yuba City | $10 00 |
| First on nectarines, and second on peaches | B. G. Stabler | Yuba City | $10 00 |
| Third on dried fruit, melons, etc. | B. G. Stabler | Yuba City | $13 00 |
| Third largest exhibit of grapes | William Stafford | Yuba City | $10 00 |
| Second on table grapes | William Stafford | Yuba City | $5 00 |
| Third on raisin grapes | William Stafford | Yuba City | $3 00 |
| Special mention for quality | William Stafford | Yuba City | |
| First on job, book, and card printing | "Appeal" Pub. Co. | Marysville | $15 00 |
| Special on scrap book collection | Edna Anderson | Marysville | $1 00 |
| Special on painted banners and flowers | Malinda Aulman | Marysville | $4 00 |
| First on graham bread | Mrs. E. Brow | Marysville | $3 00 |
| Special on wheat bread | Miss T. Bligh | Marysville | $1 00 |
| First on flowering plants, luster paintings, etc. | Mrs. J. C. Bradley | Marysville | $13 00 |
| First on flour, meal, and best exhibit | Buckeye Mill Co. | Marysville | Dip., $30 |
| First on open buggy, market wagon, etc. | S. H. Bradley | Marysville | $23 00 |
| First on California-made paper | Blake, Moffitt & Co. | San Francisco | Dip., $3 |
| Best exhibit of California-made cheese | John Burns | Nicolaus | Dip., $10 |
| Second on card printing | A. L. Brown | Marysville | $1 00 |
| Fourth on self-made calico dress | Lota Best | Yuba City | $2 00 |
| Third best three varieties of apples | Paris Bean | Brownsville | $2 00 |
| Painted panels, etc., special | Kittie Barnes | Marysville | $1 00 |
| Best exhibit of oil paintings | Mrs. S. S. Boynton | Oroville | Diploma. |
| Special on paper flowers | Mrs. M. Brow | Marysville | $1 00 |
| First on wheat bread; second on preserves, etc. | Mrs. D. Coughlan | Marysville | $8 00 |
| First on cut flowers | Mrs. M. C. Clark | Yuba City | $3 00 |
| First on Irish and sweet potatoes and best exhibit | A. J. Cumberson | Marysville | $7 00 |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Hand-made apron, by self (special) | Miss Katie Cutts | Marysville | $1 00 |
| Hand-made dress, by self (special) | Miss Louisa Cutts | Marysville | $1 00 |
| Best exhibit of fancy and washing soap | Capital Soap Works | Sacramento | Diploma. |
| Special on painted plaques, etc. | Miss A. Clemnor | Yuba City | $1 00 |
| Special on paintings, waxwork, etc. | College of Notre Dame | Marysville | $7 00 |
| Special on braid pillow shams | Mrs. N. Cohn | Marysville | $1 00 |
| Third on rare and ornamental plants | Mrs. A. Devolt | Marysville | $2 00 |
| First on broom corn, egg plant, cabbage, etc. | Mrs. E. M. Devoe | Marysville | $10 00 |
| Third on seedless grapes | R. Davis | Yuba City | $2 00 |
| Second on bread and cake | Miss Carrie Erich | Marysville | $4 00 |
| First on fancy cake | Miss Josie Efken | Marysville | $3 00 |
| Second on biscuit | Miss Etta Efken | Marysville | $1 00 |
| First on silverware, clocks, etc. | Peter Engel & Co. | Marysville | $15 00 |
| Special on paper flowers, etc. | Miss A. Englund | Marysville | $1 00 |
| Special on paintings, plaques, etc. | Mrs. W. Englund | Marysville | $3 00 |
| Third on wheat bread and cake | Estella Farmer | Yuba City | $2 00 |
| Special on calico dress, her make | Irene Fuller | Marysville | $1 00 |
| Special on pomegranates | Miss May Fisher | Marysville | $1 00 |
| First on parlor set, bed, chairs, and exhibit | Frost & Shaffer | Marysville | $21 00 |
| First on clothing, hats, caps, dry goods, etc. | B. F. Gilman | Yuba City | $30 00 |
| First on squashes | J. W. Giblin | Yuba City | $1 00 |
| Special on tidy, etc. | Miss Bessie Gray | Marysville | $1 00 |
| First on yeast powders, banners, panels, etc. | Mrs. F. E. Griffiths | Marysville | $10 00 |
| Special on paintings | Miss C. Gottwals | Yuba City | $2 00 |
| Special on painted banners, etc. | Mrs. J. H. Gladden | Yuba City | $2 00 |
| Special on paintings | George Gee | Yuba City | $1 00 |
| Third on soda biscuit, and scrap book | Corinne Hulburt | Marysville | $2 00 |
| Second on cake, and special on fancy work, etc. | Miss Lettie Heyl | Marysville | $5 00 |
| First on cake, corn bread, and biscuit | Miss Jessie Hull | Yuba City | $6 00 |
| First on preserves, jams, pickles, and fruit | Mrs. T. B. Hull | Yuba City | $18 00 |
| Second on cut flowers | Mrs. Dora Hopkins | Marysville | $2 00 |
| Special on watermelons | J. E. Healy | Marysville | $1 00 |
| Special on California wine | Joseph Holloman | Marysville | $1 00 |
| Special on fancy needlework | Miss T. Hogan | Marysville | $2 00 |
| Special on calico dress, by self | Miss Daisy Heyl | Marysville | $1 00 |
| First on Chili Club wheat in stalk | Hastings Brothers | Yuba City | $3 00 |
| Second on white Chili wheat | H. B. Heiken | Yuba City | $3 00 |
| First on exhibit of groceries, etc. | Hapgood & Syfert | Marysville | $35 00 |
| Special on painted plaques, etc. | Miss Maud Hyde | Marysville | $1 00 |
| Special on painted panels, etc. | Mrs. J. Heyl | Marysville | $2 00 |
| Special on oil paintings | A. Harney | Marysville | $1 00 |
| Special on oil paintings | Mrs. A. J. Haukins | Brownsville | $3 00 |
| Second on exhibit of oil paintings | Mrs. W. W. Holland | Marysville | $10 00 |
| First on jellies, second on nuts and display | Mrs. C. N. Jenkins | Marysville | $10 00 |
| First on rare plants, second on ornamental plants | Mrs. F. W. Johnson | Marysville | $8 00 |
| First on raisin grapes | J. G. Jones | Brownsville | $10 00 |
| First on blackberries, second on apples | Wm. Jones | Brownsville | $6 00 |
| First on lemons of 1887 | Mrs. Mary Karr | Marysville | $5 00 |
| First on road and breaking cart | Katzner, Russell & Chase | Marysville | $4 00 |
| Third on wheat bread | Miss J. Long | Marysville | $2 00 |
| First on cocoons | A. W. Lewis | Marysville | Dip. $5 00 |
| Special on painted plaques | Miss L. Lordly | Brownsville | $2 00 |
| First on musical instruments, stationery, etc. | Miller & Hall | Marysville | $20 00 |
| First on exhibit, $100; first on blankets, $5 | Marysville Woolen Mill | Marysville | $105 00 |
| First on flannel, tweeds, underwear, wool | Marysville Woolen Mill | Marysville | $18 00 |
| First on butter, bread, and general exhibit of butter | Mrs. E. Matthews | Marysville | $21 00 |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Third on flowering plants | Mrs. Sarah C. McKinney | Marysville | $1 00 |
| Exhibit of dental work | J. E. Moore | Marysville | Dip., $5 00 |
| First on self-made calico dress | Agnes Moran | Marysville | $5 00 |
| Second on soft shell almonds | M. McAuslin | Yuba City | $3 00 |
| Second on white Chili wheat | James Murry | Yuba City | $3 00 |
| First on Canada wheat in stalk | C. E. Moore | Yuba City | $3 00 |
| Ship, in glass, special | Miss K. Norton | Yuba City | $1 00 |
| Special on corn bread | Fannie Owens | Yuba City | $2 00 |
| First on exhibit of wheat, oats, barley, etc. | D. A. Ostrom | Reeds Station | Dip., $18. |
| Special for group of paintings | Miss May Ostrom | Reeds Station | $2 00 |
| First on statuary, plants, etc. | W. H. Plymire | Marysville | $4 00 |
| First on sugar beets and squashes | Geo. W. Peacock | Marysville | $2 00 |
| First on Proper wheat; first in stalk | Mrs. E. Proper | Yuba City | $8 00 |
| Special on landscape painting, etc. | Mrs. W. T. Phipps | Yuba City | $3 00 |
| Special on flowering plants and collection of flowers | Miss Eda Ruts | Yuba City | $5 00 |
| Special on painted banner, etc. | Miss Irene Rush | Yuba City | $1 00 |
| Second on boy's suit, home-made | Mrs. J. P. Swift | Marysville | $2 00 |
| First on boy's suit, home-made | May Sautry | Marysville | $3 00 |
| First on foot mats made of rags | Miss May Sutliff | Marysville | $2 00 |
| First on biscuit, raised | Mrs. A. C. Spiers | Marysville | $3 00 |
| First on canned fruit and display | Sutter Packingand Canning Co. | Yuba City | $20 00 |
| Special on hand sewing, etc. | Gracie Saviers | Marysville | $1 00 |
| Special on hand sewing, etc. | Marcia Saviers | Marysville | $1 00 |
| Special on crochet underwear | Frances Scott | Marysville | $1 00 |
| Special on calico dress | Lottie Smith | Marysville | $1 00 |
| Third on Proper wheat; second on barley | Thomas Smith | Marysville | $4 00 |
| Special on dried figs | Miss M. Sluman | Marysville | $1 00 |
| Special on exhibit of paintings | Mrs. N. J. Saviers | Marysville | $5 00 |
| Special on exhibit of paintings | Mrs. R. W. Skinner | Marysville | $3 00 |
| Special on painted panels, etc. | Mrs. G. W. Stephens | Marysville | $2 00 |
| Special on painted robe | Flora Stice | Marysville | $1 00 |
| General exhibit of penmanship | Stockton Business College | Stockton | Diploma. |
| Special on crochet bedspread | Mrs. M. Schwab | Marysville | $1 00 |
| First on biscuits, calico dress, and cake | Jennie Tucker | Marysville | $6 00 |
| First on honey, first on beehive, and hardy wheat | Wm. Thompson, Jr. | Yuba City | $9 00 |
| Second on honey, seedless grapes, and bunch grapes | Wm. Thompson, Sr. | Yuba City | $7 00 |
| Special on display of fruit in glass | Belle Todd | Live Oak | $2 00 |
| Special on exhibit of hops | J. F. Tapley | Yuba City | $5 00 |
| Second best exhibit of grapes and raisin grapes | George Thompson | Yuba City | $25 00 |
| Third on Salt Lake Club wheat | N. F. Todd | Live Oak | $2 00 |
| First on Snowflake wheat | N. F. Todd | Live Oak | $5 00 |
| First on exhibit of fruit in glass | Mrs. A. B. Van Arsdale | Yuba City | Dip., $10. |
| Special on minerals, coins, etc. | Mrs. A. B. Van Arsdale | Yuba City | $4 00 |
| Special on green oranges | A. B. Van Arsdale | Yuba City | Diploma. |
| Special on kensington paintings | Mrs. Geo. Van Buskirk | Marysville | $1 00 |
| Second on biscuit | Mrs. W. A. Wimberly | Marysville | $2 00 |
| First on exhibit of bread | Mrs. W. Wedderin | Marysville | $5 00 |
| Third on pickles, quilts, etc. | Mrs. D. Walters | Marysville | $4 00 |
| Special on squashes, tomatoes, and melons | J. H. Wise | Marysville | $3 00 |
| Best exhibit of hardware, glassware, etc. | White, Cooley & Cutts | Marysville | Dip., $30. |
| First on range, stove, kitchen goods, etc. | White, Cooley & Cutts | Marysville | $35 00 |
| First on pulverizers, two sizes | Weinstock, Lubin & Co. | Sacramento | Diploma. |
| Basket of paper flowers | Etta Wenzel | Marysville | $1 00 |

# SPEED PROGRAMME.

TUESDAY, AUGUST 28, 1888.

RACE NO. 1—TROTTING.

For two-year old colts owned in the Third, Thirteenth, or Seventeenth Districts. Purse, two hundred dollars. One hundred dollars to first horse; fifty dollars to second; thirty dollars to third; twenty dollars to fourth. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Annie E, b. f., by Tilton Almont | W. R. Merrill | Willows. |
| Tart, b. g., by Tilton Almont | W. M. Billups | Colusa. |

SUMMARY.

| | |
|---|---|
| Annie E | 1 |
| Tart | 2 |

*Time*—2:58; 2:59.

RACE NO. 2—RUNNING.

For two-year old colts owned in the Third, Thirteenth, or Seventeenth Districts. Purse, two hundred dollars. One hundred dollars to first horse; fifty dollars to second; thirty dollars to third; twenty dollars to fourth. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Almont, b. c., by Three Cheers | W. M. Murry | Sacramento. |
| St. Leger, b. s., by Joe Hooker | J. F. Holland | Chico. |

SUMMARY.

| | |
|---|---|
| Almont | 1 |
| St. Leger | 2 |

*Time*—0:52½.

RACE NO. 3—TROTTING.

3:00 Class. For all horses eligible. Purse, two hundred and fifty dollars. One hundred and twenty-five dollars to first horse; sixty-two dollars and fifty cents to second; thirty-seven dollars and fifty cents to third; twenty-five dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| The Dude, by Golddust | J. R. Hodson | Sacramento. |
| Millboy, by Brigadier | J. Greely | Marysville. |
| Argent, by Sterling | R. H. Walton | San José. |
| Knighthood, by Brigadier | D. E. Knight | Marysville. |
| Bell C, by Tilton Almont | F. G. Crawford | Willows. |
| Surgeon, by Brigadier | Frank Grant | Marysville. |
| Patchwork, by Brigadier | Charles Raish | Marysville. |
| Sunflower, by Elmo | W. H. Seale | Mayfield. |
| Fedora, by Brigadier | J. B. McDonald | Marysville. |
| Cricket, by Brigadier | A. L. Hinds | San Francisco. |
| Fred L, by Black Eagle | J. E. King | Woodland. |
| Blockade, by Signal | M. Biggs, Jr. | Biggs. |

SUMMARY.

| | |
|---|---|
| Sunflower | 1 |
| The Dude | 2 |
| Cricket | 3 |
| Argent | 4 |

All the others distanced on the first heat.

*Time*—2:29½; 2:31; 2:33; 2:32; 2:36; 2:37; 2:40.

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WEDNESDAY, AUGUST 29, 1888.

RACE NO. 4—TROTTING.

2:35 Class. For all horses eligible. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Eva W, by Nutwood | S. C. Tryon | Sacramento. |
| Cricket, by Brigadier | A. L. Hinds | San Francisco. |
| Lohengrin, by Echo | J. W. Dowell | Marysville. |

SUMMARY.

| | |
|---|---|
| Eva W | 1 |
| Lohengrin | 2 |
| Cricket | 3 |

*Time*—2:34; 2:34; 2:36; 2:36; 2:36¼.

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RACE NO. 5—RUNNING.

For all horses owned in this State. Purse, two hundred dollars. One hundred dollars to first horse; fifty dollars to second; thirty dollars to third; twenty dollars to fourth. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Peregrine, by Joe Hooker | W. M. Murry | Sacramento. |
| Little Cap, unknown | J. W. Dowell | Marysville. |
| Minnie R, by Scamperdown | E. Flitner | Ione. |
| Menlo, by Young Prince | M. McCrimmon | Lincoln. |
| San Luis Obispo, by St. Louis | J. H. Stevens | Chico. |
| Little Dick, by Eleck | C. F. Silver | Fremont. |
| Heenan, by Norfolk | M. Biggs, Jr. | Biggs. |

SUMMARY.

| | |
|---|---|
| Peregrine | 1 |
| Minnie R | 2 |
| Little Cap | 3 |
| Menlo | 4 |

*Time*—0:48½; 0:49.

RACE NO. 6—TROTTING.

Three-year old Class. For all horses eligible. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Yolland, by Mambrino Wilkes | L. E. Yates | Haywards. |
| Balkan, by Mambrino Wilkes | A. L. Hinds | San Francisco. |
| Director H, by Director | S. Harris | Yuba City. |
| Gossiper, by Simmons | C. A. Durfee | Los Angeles. |
| Langmont, by Tilton Almont | W. M. Billups | Colusa. |
| W W, by Tilton Almont | W. R. Merrill | Willows. |

SUMMARY.

Balkan ..... 1
Gossiper ..... 2
Balance distanced first heat.

*Time*—2:31¾; 2:32; 2:34¾; 2:37½.

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THURSDAY, AUGUST 30, 1888.

RACE NO. 7—TROTTING.

2:27 Class. For all horses eligible. Purse, six hundred dollars. Three hundred dollars to first horse; one hundred and fifty dollars to second; ninety dollars to third; sixty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hazel Kirke, by Brigadier | J. B. McDonald | Marysville. |
| Ed, by Erwin Davis | A. T. Jackson | Stockton. |
| Artist, by Golddust | J. R. Hodson | Sacramento. |
| Don Tomas, by Del Sur | C. A. Durfee | Los Angeles. |
| Wallace G, by Plumas | P. Garrett | Chico. |
| Alpheus, by Mambrino Wilkes | A. L. Hinds | San Francisco. |
| Ha Ha, by Nephew | Houser & Soule | Ione. |

SUMMARY.

Don Tomas ..... 1
Ed ..... 2
Ha Ha ..... 3
Hazel Kirke ..... 4
Artist ..... 5

*Time*—2:29½; 2:31; 2:28½.

---

RACE NO. 8—TROTTING.

Ayers Stake. For all colts sired by Alpheus; one year old. Purse, one hundred and fifty dollars. Entrance added; evenly divided as per rules. One mile heat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Springbok, by Alpheus | D. E. Knight | Marysville. |
| Allie Wilkes, by Alpheus | Polk Coats | Yuba City. |
| Avalanche, by Alpheus | F. E. Griffiths | Marysville. |

SUMMARY.

Allie Wilkes ..... 1
Avalanche ..... 2
Springbok ..... 3

*Time*—4:10.

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RACE NO. 9—PACING.

2:20 Class. For all horses eligible. Purse, four hundred dollars. Two hundred dollars to first horse; one hundred dollars to second; sixty dollars to third; forty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| George Wapple, by Brigadier | Charles Sherman | Susanville. |
| Bracelet, by Nephew | J. R. Hodson | Sacramento. |
| Pocahontas, by Washington | S. C. Tryon | Sacramento. |
| Almont Patchen, by Juanito | W. M. Billups | Colusa. |

SUMMARY.

Almont Patchen ..... 1
Bracelet ..... 2
Pocahontas ..... 3

*Time*—2:27½; 2:22½; 2:27½.

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FRIDAY, AUGUST 31, 1888.

RACE NO. 10—TROTTING.

2:40 Class. For all horses eligible. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Argent, by Sterling | R. H. Walton | San José. |
| Lohengrin, by Echo | J. W. Dowell | Marysville. |
| Cricket, by Brigadier | A. L. Hinds | San Francisco. |
| Maxwell, by William Tell | C. H. Lawrence | Chico. |
| Millboy, by Brigadier | J. Greely | Marysville. |
| The Dude, by Golddust | J. R. Hodson | Sacramento. |

SUMMARY.

Lohengrin ..... 1
Argent ..... 2
Maxwell ..... 3

*Time*—2:32; 2:32½; 2:35½; 2:37; 2:36.

RACE NO. 11—RUNNING.

For all horses owned in this State. Purse, two hundred dollars. One hundred dollars to first horse; fifty dollars to second; thirty dollars to third; twenty dollars to fourth. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Menlo, by Joe Hooker | M. McCrimmon | Lincoln. |
| Minnie R, by Scamperdown | E. Flitner | Ione. |
| Adonis, by Joe Hooker | S. C. Tryon | Sacramento. |
| Heenan, by Norfolk | M. Biggs, Jr. | Biggs. |
| Peregrine, by Joe Hooker | W. M. Murry | Sacramento. |

SUMMARY.

| | |
|---|---|
| Peregrine | 1 |
| Minnie R | 2 |
| Menlo | 3 |
| Adonis | 4 |
| Heenan | 5 |

*Time*—1:44½.

RACE NO. 12—TROTTING.

2:50 Class. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; twenty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Balkan, by Mambrino Wilkes | A. L. Hinds | San Francisco. |
| Fred L, by Black Eagle | J. E. King | Woodland. |
| Sunflower, by Elmo | W. H. Seale | Mayfield. |
| Fedora, by Brigadier | J. B. McDonald | Marysville. |
| Belle C, by Tilton Almont | F. G. Crawford | Willows. |
| Gossiper, by Simmons | C. A. Durfee | Los Angeles. |
| Blockade, by Signal | M. Biggs, Jr. | Biggs. |

SUMMARY.

| | |
|---|---|
| Gossiper | 1 |
| Sunflower | 2 |
| Blockade | 3 |

*Time*—2:33; 2:32; 2:35; 2:31½.

SATURDAY, SEPTEMBER 1, 1888.

RACE NO. 13—TROTTING.

2:30 Class. For all horses eligible. Purse, four hundred dollars. Two hundred dollars to first horse; one hundred dollars to second; sixty dollars to third; forty dollars to fourth. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hazel Kirke, by Brigadier | J. B. McDonald | Marysville. |
| Alpheus, by Mambrino Wilkes | A. L. Hinds | San Francisco. |
| Eva W, by Nutwood | S. C. Tryon | Sacramento. |
| Eros, by Electioneer | W. H. Vioget | San José. |
| Jim L, by Dan Yorkins | J. A. Linscott | Watsonville. |

SUMMARY.

| | |
|---|---|
| Jim L | 1 |
| Hazel Kirke | 2 |
| Alpheus | 3 |
| Eva W | 4 |

*Time*—2:30½; 2:30½; 2:30; 2:29¾.

---

RACE NO. 14—RUNNING.

For all horses owned in this State. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. One mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Menlo, by Young Prince | M. McCrimmon | Lincoln. |
| Mettie Moak, by Glencoe | J. F. Holland | Chico. |
| Heenan, by Norfolk | M. Biggs, Jr. | Biggs. |
| J M R, by imp. Kelpie | W. M. Murry | Sacramento. |

SUMMARY.

| | |
|---|---|
| Menlo | 1 |
| J M R | 2 |

The others were distanced on the first heat.

*Time*—1:47; 1:45; 1:48.

---

RACE NO. 15—MIXED.

Special made-up race for trotters and pacers. Purse, three hundred dollars. One hundred and fifty dollars to first horse; seventy-five dollars to second; forty-five dollars to third; thirty dollars to fourth. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Belle C (trotter) | P. P. Brooks | Sacramento. |
| Johnny Skelton (pacer) | J. R. Hodson | Sacramento. |
| George Wapple (pacer) | C. Sherman | Susanville. |
| Maxwell (trotter) | C. H. Lawrence | Chico. |

SUMMARY.

| | |
|---|---|
| Johnny Skelton | 1 |
| George Wapple | 2 |
| Maxwell | 3 |

*Time*—2:33½; 2:41½; 2:34½; 2:48½.

RACE No. 16—TROTTING.

Special Consolation Race for horses defeated in Three-minute Race. Purse, two hundred dollars; divided as usual. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Fedora, by Brigadier | J. B. McDonald | Marysville. |
| Millboy, by Brigadier | J. Greely | Marysville. |
| Knighthood, by Brigadier | D. E. Knight | Marysville. |
| Patchwork, by Brigadier | C. Raish | Marysville. |

SUMMARY.

| | |
|---|---|
| Fedora | 1 |
| Patchwork | 2 |

*Time*—2:42; 2:46; 2:47; 2:48¾.

# TRANSACTIONS

OF THE

# FOURTEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the County of Santa Cruz.

# OFFICERS OF THE ASSOCIATION.

F. A. HIHN ..... President.
OSCAR L. GORDON ..... Secretary.
JESSE COPE ..... Treasurer.

## DIRECTORS.

F. A. HIHN ..... Santa Cruz.
J. F. CUNNINGHAM ..... Boulder.
O. H. WILLOUGHBY ..... Watsonville.
A. NOBLE ..... Soquel.
D. W. GROVER ..... Santa Cruz.
J. H. LOGAN ..... Santa Cruz.
H. MELL ..... Santa Cruz.
L. K. BALDWIN ..... Santa Cruz.

# REPORT.

DECEMBER 1, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Fourteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

OSCAR L. GORDON, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From entrance fees and sale of tickets | $380 00 | |
| From privileges | 35 00 | |
| From sale of fruits | 4 00 | |
| From State warrant | 750 00 | |
| | | $1,169 00 |

*Expenditures.*

| | | |
|---|---|---|
| Paid premiums | $656 00 | |
| Paid labor and other expenses | 403 79 | |
| Paid interest | 10 50 | |
| Balance on hand | 98 71 | |
| | | $1,169 00 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—STALLIONS—FULL BLOOD. | | |
| Solide, three years old or over | Martin Kinsley | Santa Cruz. |
| Mederic, three years old or over | Martin Kinsley | Santa Cruz. |
| HORSES OF ALL WORK. | | |
| Span of mares | F. A. Hihn | Santa Cruz. |
| Span of mares | Martin Kinsley | Santa Cruz. |
| Single horse | A. Noble | Soquel. |
| BROOD MARES. | | |
| Single entry | F. A. Hihn | Santa Cruz. |
| Single entry | I. Gray | Soquel. |
| COLTS. | | |
| Two years old | Bert. Chace | Santa Cruz. |
| Two years old | F. A. Hihn | Santa Cruz. |
| Suckling colts | F. A. Hihn | Santa Cruz. |
| Suckling colts | I. Gray | Soquel. |
| Suckling colts | A. Jackson | Santa Cruz. |
| ROADSTERS. | | |
| Bonnie | Oscar L. Gordon | Santa Cruz. |
| SADDLE HORSES. | | |
| Hunter | Oscar L. Gordon | Santa Cruz. |
| CLASS II—CATTLE—DURHAM BULLS. | | |
| Three years old or over | G. P. Laird | Santa Cruz. |
| COWS. | | |
| Heifer, two years old | G. P. Laird | Santa Cruz. |
| Heifer, one year old | G. P. Laird | Santa Cruz. |
| Grade | A. Noble | Soquel. |
| JERSEYS. | | |
| Black Prince (4768), bull over three years | Oscar L. Gordon | Santa Cruz. |
| Nora Wright (7179), cow over three years | Oscar L. Gordon | Santa Cruz. |
| Baby Saxe (10299), over one year | Oscar L. Gordon | Santa Cruz. |
| Josie (10301), over one year | Oscar L. Gordon | Santa Cruz. |
| NOT RECORDED. | | |
| Daisy, three years old or over | Oscar L. Gordon | Santa Cruz. |
| One cow | Bert Chase | Santa Cruz. |
| One cow | F. A. Hihn | Santa Cruz. |
| Three cows | D. M. Lock | Scott Valley. |
| —— | D. M. Lock | Scott Valley. |
| —— | D. H. Lock | Scott Valley. |
| Three cows | W. H. Talbot | Felton. |
| —— | W. H. Talbot | Felton. |
| —— | W. H. Talbot | Felton. |
| CLASS III—SHEEP. | | |
| Southdown rams | Martin Kinsley | Santa Cruz. |
| Ewes | Martin Kinsley | Santa Cruz. |
| Cotswold rams | U. W. Thompson | Soquel. |
| Ewes | U. W. Thompson | Soquel. |
| Five lambs, graded Cotswold | U. W. Thompson | Soquel. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| SWINE—ESSEX—BOARS. | | |
| ——, under one year | Martin Kinsley | Santa Cruz. |
| SOWS. | | |
| ——, over one year | Martin Kinsley | Santa Cruz. |
| ——, under one year | Martin Kinsley | Santa Cruz. |
| Grade pigs | E. Kilfoil | Santa Cruz. |
| POULTRY. | | |
| White Leghorns | A. Fridley | Santa Cruz. |
| Brown Leghorns | A. Fridley | Santa Cruz. |
| Breeding pen | A. Fridley | Santa Cruz. |
| Polands | Mrs. W. Currier | Santa Cruz. |
| Houdans | Mrs. Forbes | Santa Cruz. |
| Houdans | Martin Kinsley | Santa Cruz. |
| Game Bantams | Oscar E. Gordon | Santa Cruz. |
| Game Bantams | Mrs. W. Currier | Santa Cruz. |
| Black Bantams | Harry Towne | Santa Cruz. |
| Geese, Toulouse | Martin Kinsley | Santa Cruz. |
| Ducks, Rouen | Mrs. Forbes | Santa Cruz. |
| Ducks, Rouen | Mrs. W. Currier | Santa Cruz. |
| Silver-Spangled Hamburgs | Martin Kinsley | Santa Cruz. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—STALLIONS—FULL BLOOD. | | | |
| Solide | Martin Kinsley | Santa Cruz | $10 00 |
| Mederic | Martin Kinsley | Santa Cruz | $5 00 |
| DRAFT HORSES. | | | |
| One pair | Martin Kinsley | Santa Cruz | $4 00 |
| One pair | F. A. Hihn | Santa Cruz | $8 00 |
| HORSES OF ALL WORK. | | | |
| Stallion | F. A. Hihn | Santa Cruz | $8 00 |
| Colt, two years old | F. A. Hihn | Santa Cruz | $4 00 |
| Suckling colt | A. Jackson | Santa Cruz | $2 00 |
| Suckling colt | F. A. Hihn | Santa Cruz | $3 00 |
| Colt | Bert Chace | Santa Cruz | $2 00 |
| Suckling colt | I. Gray | Santa Cruz | $2 00 |
| BROOD MARES. | | | |
| Single entry | F. A. Hihn | Santa Cruz | $8 00 |
| Single entry | I. Gray | Soquel | $4 00 |
| ROADSTERS. | | | |
| Bonnie | Oscar L. Gordon | Santa Cruz | $8 00 |
| SADDLE HORSES. | | | |
| Hunter | Oscar L. Gordon | Santa Cruz | $5 00 |
| CARRIAGE HORSES. | | | |
| Single entry | A. Noble | Soquel | $6 00 |
| HORSES OF ALL WORK. | | | |
| Single entry | A. Noble | Soquel | $8 00 |
| CLASS II—CATTLE—DURHAM. | | | |
| Bull | G. P. Laird | Santa Cruz | $8 00 |
| Cow | G. P. Laird | Santa Cruz | $6 00 |
| Rosa, heifer | G. P. Laird | Santa Cruz | $4 00 |
| Rosalie, heifer | G. P. Laird | Santa Cruz | $2 00 |
| JERSEYS. | | | |
| Black Prince, bull (4768) | Oscar L. Gordon | Santa Cruz | $8 00 |
| Nora Wright, cow (7179) | Oscar L. Gordon | Santa Cruz | $8 00 |
| Baby Saxe, cow (10399) | Oscar L. Gordon | Santa Cruz | $4 00 |
| Josie, cow (10301) | Oscar L. Gordon | Santa Cruz | $8 00 |
| JERSEYS—NOT RECORDED. | | | |
| Cow | Bert Chace | Santa Cruz | $4 00 |
| Cow | F. A. Hihn | Santa Cruz | $4 00 |
| Cow | D. M. Lock | Santa Cruz | $8 00 |
| Cow, two years old | D. M. Lock | Santa Cruz | $6 00 |
| Cow | W. H. Talbot | Felton | $8 00 |
| GRADE—DURHAM. | | | |
| Cow | A. Noble | Soquel | $8 00 |
| CLASS III—SHEEP. | | | |
| Southdown ram | Martin Kinsley | Santa Cruz | $4 00 |
| Southdown ewe | Martin Kinsley | Santa Cruz | $4 00 |
| Five Southdown lambs | Martin Kinsley | Santa Cruz | $4 00 |
| Cotswold ram | U. W. Thompson | Soquel | $4 00 |
| Cotswold ewe | U. W. Thompson | Soquel | $4 00 |
| Five grade lambs | U. W. Thompson | Soquel | $3 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| SWINE. | | | |
| Essex sow, one year old or over | Martin Kinsley | Santa Cruz | $3 00 |
| Essex sow, one year old or over | Martin Kinsley | Santa Cruz | $1 00 |
| Essex sow, under one year | Martin Kinsley | Santa Cruz | $2 00 |
| Essex boar, under one year | Martin Kinsley | Santa Cruz | $2 00 |
| Graded Essex pigs | E. Kilfoil | Santa Cruz | $3 00 |
| POULTRY. | | | |
| Pair of White Leghorns | A. Fridley | Santa Cruz | $1 00 |
| Pair of Brown Leghorns | A. Fridley | Santa Cruz | $2 00 |
| Pair of Golden Polands | Mrs. W. Currier | Santa Cruz | $1 00 |
| Pair of Houdans | Mrs. W. Currier | Santa Cruz | $2 00 |
| Pair of Houdans | Martin Kinsley | Santa Cruz | $1 00 |
| Pair of Game Bantams | Oscar E. Gordon | Santa Cruz | $1 00 |
| Pair of Black Bantams | Harry Towne | Santa Cruz | $2 00 |
| Pair of Toulouse geese | Martin Kinsley | Santa Cruz | $1 00 |
| Pair of ducks | Mrs. W. Currier | Santa Cruz | $1 00 |
| Pair of Rouen ducks | Mrs. Forbes | Santa Cruz | $1 00 |
| Pair of Rouen ducks | Mrs. Forbes | Santa Cruz | $2 00 |
| Silver-Spangled Hamburgs | Martin Kinsley | Santa Cruz | $1 00 |
| Best and largest collection of thoroughbred poultry | A. Fridley | Santa Cruz | $5 00 |
| Best breeding pen of pure breed | A. Fridley | Santa Cruz | $2 50 |
| Pair of Brown Leghorns | A. Fridley | Santa Cruz | $1 00 |
| Second best thoroughbred poultry | Mrs. W. Currier | Santa Cruz | $2 50 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—AGRICULTURE. | | | |
| Best sack of wheat | J. S. Matteson | Santa Cruz | $5 00 |
| Second best sack of wheat | Martin Kinsley | Santa Cruz | $3 00 |
| Best sack of oats | J. S. Matteson | Santa Cruz | $4 00 |
| Second best sack of oats | Martin Kinsley | Santa Cruz | $2 00 |
| Best sack of corn | L. K. Baldwin | Santa Cruz | $4 00 |
| Second best sack of corn | A. Noble | Soquel | $2 00 |
| Sack of potatoes | G. P. Laird | Santa Cruz | $1 00 |
| Best squash | A. Noble | Soquel | $2 00 |
| Second best squash | J. S. Young | Santa Cruz | $1 00 |
| Best pumpkins | J. S. Young | Santa Cruz | $2 00 |
| Second best pumpkins | A. Noble | Soquel | $1 00 |
| Beans | J. S. Young | Santa Cruz | $1 00 |
| Feed beets | G. P. Laird | Santa Cruz | $1 00 |
| Cucumbers | L. K. Baldwin | Santa Cruz | $1 00 |
| Carrots | G. P. Laird | Santa Cruz | $1 00 |
| Celery | F. A. Hihn | Santa Cruz | $1 00 |
| Table beets | U. W. Thompson | Soquel | $1 00 |
| CLASS II—DAIRY PRODUCTS. | | | |
| Best box of butter | F. D. Baldwin | Santa Cruz | $6 00 |
| Second best box of butter | G. M. Shippy | Scotts Valley | $3 00 |
| Best cheese | G. P. Laird | Santa Cruz | $6 00 |
| Second best cheese | P. Scaroni | Santa Cruz | $3 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—HORTICULTURE. | | | |
| Largest and best collection of fruit | Daken & Son | Soquel | $10 00 |
| Second best collection of fruit | Miller & Son | Wrights | $8 00 |
| Best ten varieties of apples | J. S. Young | Santa Cruz | $8 00 |
| Second best ten varieties of apples | P. T. Stribling | Santa Cruz | $4 00 |
| Best five varieties of apples | J. S. Gilbert | Santa Cruz | $4 00 |
| Second best five varieties of apples | W. D. Storey | Santa Cruz | $2 00 |
| Best three varieties of apples | John Eaton | Scotts Valley | $2 00 |
| Second best three varieties of apples | W. H. Aiken | Wrights | $1 00 |
| Best single variety of apples | Rose Bros. | Ben Lomond | $1 00 |
| Second best single variety of apples | A. Noble | Soquel | $2 00 |
| Best five varieties of pears | Harvey Comstock | Ben Lomcnd | $4 00 |
| Second best five varieties of pears | Thos. Slaughter | Ben Lomond | $2 00 |
| Best three varieties of pears | L. K. Baldwin | Santa Cruz | $3 00 |
| Second best three varieties of pears | W. H. Aiken | Wrights | $1 00 |
| Best single variety of pears | J. H. Dennett | Santa Cruz | $2 00 |
| Second best single variety of pears | Mrs. C. McKenzie | Ben Lomond | $1 00 |
| Best two varieties of plums | Daken & Son | Soquel | $3 00 |
| Best single variety of plums | Otto Mevis | Ben Lomond | $2 00 |
| Second best single variety of plums | W. H. Aiken | Wrights | $1 00 |
| Best three varieties of peaches | Harvey Comstock | Ben Lomond | $3 00 |
| Best single variety of peaches | Thos. Slaughter | Ben Lomond | $2 00 |
| Second best single variety of peaches | A. J. Keats | Santa Cruz | $1 00 |
| Best exhibit of figs | Harvey Comstock | Ben Lomond | $2 00 |
| Second best exhibit of figs | Daken & Son | Soquel | $1 00 |
| Best exhibit of almonds | Daken & Son | Soquel | $3 00 |
| Best exhibit of walnuts | Mrs. C. McKenzie | Ben Lomond | $3 00 |
| Second best exhibit of walnuts | Daken & Son | Soquel | $1 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—VITICULTURE. | | | |
| Best general display of grapes | Miller & Son | Wrights | $10 00 |
| Second best general display of grapes | J. W. Jarvis | Santa Cruz | $5 00 |
| Best display of wine grapes | Mrs. C. McKenzie | Ben Lomond | $4 00 |
| Second best display of wine grapes | J. W. Jarvis | Santa Cruz | $2 00 |
| Best display of table grapes | W. H. Aiken | Wrights | $4 00 |
| Second best display of table grapes | Doyle & Harmon | Soquel | $2 00 |
| Display of table grapes | W. H. Aiken | Wrights | $3 00 |
| Display of table grapes | Daken & Son | Soquel | $1 00 |
| CLASS II—WINES AND CIDER. | | | |
| Largest and best variety of wines | George Brahm | Santa Cruz | $15 00 |
| Second largest and best variety of wines | S. C. Mt. Wine Co. | Santa Cruz | $10 00 |
| Best dry white wines | George Brahm | Santa Cruz | $10 00 |
| Best wine, according to age | S. C. Mt. Wine Co. | Santa Cruz | $10 00 |
| Second best white wine | S. C. Mt. Wine Co. | Santa Cruz | $5 00 |
| Second best wine, according to age | W. H. Aiken | Wrights | $5 00 |
| Best dry red wine | S. C. Mt. Wine Co. | Santa Cruz | $10 00 |
| Best cider, one year old | W. H. Aiken | Wrights | $3 00 |
| Best cider vinegar | Daken & Son | Soquel | $3 00 |
| Second best cider vinegar | U. W. Thompson | Soquel | $1 00 |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—PRESERVES. | | | |
| Best exhibit of three varieties of canned fruit | Rose Bros. | Ben Lomond | $10 00 |
| Second best three varieties of canned fruit | S. B. Wallace | Santa Cruz | 5 00 |
| Best single variety of canned fruit | R. McCaskell | Santa Cruz | 5 00 |
| Second best variety of canned fruit | Thomas Slaughter | Ben Lomond | 3 00 |
| Best exhibit of jelly | Mrs. C. McKenzie | Ben Lomond | 2 00 |
| Second best exhibit of jelly | P. F. Stribling | Santa Cruz | 1 00 |
| Best jam | P. F. Stribling | Santa Cruz | 2 00 |
| Second best jam | Mrs. C. McKenzie | Ben Lomond | 1 00 |
| CLASS II—SUN-DRIED FRUIT. | | | |
| Best general display of sun-dried fruit | Miller & Son | Wrights | $10 00 |
| Second best display of sun-dried fruit | Thomas Slaughter | Ben Lomond | 5 00 |
| Best display of sun-dried prunes | W. H. Aiken | Wrights | 5 00 |
| Second best display of sun-dried prunes | Mrs. R. R. Jones | Santa Cruz | 3 00 |
| Best display of sun-dried apricots | Miller & Son | Wrights | 2 00 |
| Second best display of sun-dried apricots | Otto Mevis | Santa Cruz | 1 00 |
| Best display of sun-dried peaches | Miller & Son. | Wrights | 2 00 |
| Second best display of sun-dried peaches | J. S. Gilbert | Santa Cruz | 1 00 |
| CLASS III—EVAPORATED FRUIT. | | | |
| Best general display of evaporated fruit | Daken & Son | Soquel | $10 00 |
| Second best display of evaporated fruit | Doyle & Harmon | Soquel | 5 00 |
| Best exhibit of evaporated prunes | Doyle & Harmon | Soquel | 5 00 |
| Second best exhibit of evaporated prunes | Daken & Son | Soquel | 3 00 |
| Best exhibit of evaporated pears | E. B. Buckman | Santa Cruz | 2 00 |
| Second best exhibit of evaporated pears | Daken & Son | Soquel | 1 00 |
| Best exhibit of evaporated apples | Daken & Son | Soquel | 2 00 |
| Second best exhibit of evaporated apples | E. B. Buckman | Santa Cruz | 1 00 |
| Best exhibit of evaporated peaches | Daken & Son | Soquel | 2 00 |
| Second best exhibit of evaporated peaches | E. B. Buckman | Santa Cruz | 1 00 |
| Raisins from muscat grapes | Doyle & Harmon | Soquel | 2 00 |
| Third best display of evaporated fruit | E. B. Buckman | Santa Cruz | 3 00 |
| HONEY. | | | |
| White honey | Miss Eva Church | Aptos | 1 50 |
| BREAD. | | | |
| One loaf of bread | Miss Eva Church, eleven years old | Aptos | 1 50 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—PAINTINGS. | | | |
| Best landscape in oil | Frank Heath | Santa Cruz | 5 00 |
| Best sketch from nature | Frank Heath | Santa Cruz | 4 00 |
| Best plaque painting | Mrs. L. A. Lindsey | Santa Cruz | 2 50 |
| Best specimen of crayon | Miss Aggie Hihn | Santa Cruz | 2 00 |
| Best display of porcelain painting | Mrs. W. T. Cope | Santa Cruz | 2 50 |
| Best single piece of porcelain painting | Mrs. W. F. Cope | Santa Cruz | 2 50 |
| Best painting on silk | Mrs. W. T. Cope | Santa Cruz | 2 50 |
| CLASS II—PENMANSHIP AND BOOKKEEPING. | | | |
| Display by students | Chestnutwood's Business College | Santa Cruz | Diploma. |
| CLASS III—EMBROIDERY, NEEDLEWORK, AND SEWING. | | | |
| Best point lace | Mrs. S. E. Green | Santa Cruz | 2 00 |
| Best crazy silk patchwork | Mrs. A. G. Rose | Santa Cruz | 2 00 |
| Best crochet spread | Mrs. W. T. Cope | Santa Cruz | 2 00 |
| Best pillow shams | Mrs. Piedmont | Santa Cruz | 2 00 |

SIXTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best rug | Mrs. L. K. Baldwin | Santa Cruz | $2 00 |
| Pair of stockings | Mrs. R. McCaskill | Santa Cruz | $2 00 |
| Knit quilt | Mrs. Meader | Santa Cruz | $2 00 |
| Silk quilt | Mrs. Meader | Santa Cruz | $2 00 |
| Table spread | Mrs. E. T. Jewett | Santa Cruz | $2 00 |
| Table scarf | Mrs. W. T. Cope | Santa Cruz | $2 00 |
| Hall banner | Mrs. S. A. Lindsey | Santa Cruz | $2 00 |
| Table scarf | Miss Katie Becker | Santa Cruz | $2 00 |
| Satin banner | Mrs. S. E. Green | Santa Cruz | $2 00 |
| Painted banner | Mrs. W. T. Cope | Santa Cruz | $2 00 |
| Hair work | Mrs. M. E. Cannon | Santa Cruz | $2 00 |
| Wall bracket | Mrs. R. McCaskill | Santa Cruz | $2 00 |
| Case of fancy work | Mrs. Forbes | Santa Cruz | $5 00 |
| Tray cloth | Mrs. Forbes | Santa Cruz | $2 00 |
| Splasher | Mrs. Pope | Santa Cruz | $2 00 |
| Moss work | Miss May Kenville | Santa Cruz | $2 00 |
| Hand-made dress | Mrs. Edgecomb | Santa Cruz | $2 00 |
| CLASS IV—FLOWERS AND PLANTS. | | | |
| Bouquet of flowers | Miss Sophia Grant | Santa Cruz | $5 00 |
| Bouquet of flowers | Miss Carrie Miller | Santa Cruz | $3 00 |
| Best display of flowers | Mrs. A. Noble | Soquel | $4 00 |
| Second best display of flowers | P. Thrift | Santa Cruz | $2 00 |
| Best display of plants | P. Thrift | Santa Cruz | $3 00 |
| NATURAL HISTORY. | | | |
| Stuffed birds and animals | Otto Mevis | Santa Cruz | |

# TRANSACTIONS

OF THE

# SIXTEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the County of San Luis Obispo.

# OFFICERS OF THE ASSOCIATION.

E. W. STEELE ..... President.
J. H. BARRETT ..... Secretary.
R. E. JACK ..... Treasurer.

## DIRECTORS.

L. M. WARDEN ..... San Luis Obispo.
E. W. STEELE ..... Edna.
J. H. HOLLISTER ..... San Luis Obispo.
J. V. WEBSTER ..... Creston.
GEORGE VAN GORDEN ..... San Simeon.
J. H. ORCUTT ..... San Luis Obispo.
P. W. MURPHY ..... Santa Margarita.
E. LEEDHAM ..... Arroyo Grande.

# REPORT.

San Luis Obispo, March 15, 1889.

*To the honorable the State Board of Agriculture:*

Gentlemen: The Directors of the Sixteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

J. H. BARRETT, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Balance on hand last report | $589 04 | |
| Sale of privileges | 1,150 00 | |
| Entries for races | 1,185 00 | |
| Receipts from pavilion | 803 25 | |
| Receipts from park | 2,248 25 | |
| State warrant | 807 50 | |
| | | $6,783 04 |

*Expenditures.*

| | | |
|---|---|---|
| Purses and premiums paid | $3,732 85 | |
| Money returned to poor woman who purchased privilege at pavilion | 50 00 | |
| Watchman at pavilion | 144 00 | |
| Music | 325 00 | |
| Keeping racetrack in good order (contract) | 150 00 | |
| Blacksmith's bill | 78 00 | |
| Plumbing for pavilion | 95 90 | |
| Hardware bill for pavilion | 78 15 | |
| Hay and straw purchased | 143 25 | |
| Advertising and printing | 342 87 | |
| Labor and expenses | 539 33 | |
| Investments—chairs, scales, etc. | 294 83 | |
| Rent paid the San Luis Obispo Park Association | 520 00 | |
| Balance cash on hand | 288 86 | |
| | | $6,783 04 |

# EXHIBITS AT THE FAIR—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—LIVE STOCK. | | |
| Enterprise, stallion | E. Price | Arroyo Grande. |
| Hit or Miss, mare | E. Price | Arroyo Grande. |
| Paloma, mare | G. Van Gorden | San Simeon. |
| Lady Tiffany, mare | Brown & Taylor | San Luis Obispo. |
| Miss Monroe, mare | Brown & Taylor | San Luis Obispo. |
| Monroe S, stallion | Brown & Taylor | San Luis Obispo. |
| Anteal, colt | Brown & Taylor | San Luis Obispo. |
| Flora D, mare | Brown & Taylor | San Luis Obispo. |
| Duke McLellan, stallion | Brown & Taylor | San Luis Obispo. |
| Bayard, Jr., stallion | Thomas Kelly | San Luis Obispo. |
| Yearling stallion | H. G. Petty | San Luis Obispo. |
| Bezeque and Keppler, carriage team | H. A. Vachell | Creston. |
| Nig and Clyde, carriage team | H. M. Warden | San Luis Obispo. |
| Charley, carriage horse | John Scott | Paso Robles. |
| Charley and Billy, team roadsters | H. M. Warden | San Luis Obispo. |
| Hillside, saddle horse | J. W. Warden | San Luis Obispo. |
| Mrs. Stanley, mare | E. W. Steele | San Luis Obispo. |
| John Morgan, Jr., draft stallion | J. H. Thompson | Edna. |
| Gen. Tom Thumb, draft stallion | J. H. Thompson | Edna. |
| J. G. Richmond, stallion, all purposes | C. A. Rice | Arroyo Grande. |
| Cognac, draft stallion | C. A. Rice | Arroyo Grande. |
| Young America, stallion, all purposes | R. M. Shackleford | Paso Robles. |
| Susie, mare, all purposes | R. M. Shackleford | Paso Robles. |
| O'Donohue, stallion, all purposes | H. I. Jasperson | San Luis Obispo. |
| Alexandria, mare, all purposes | A. Tognazzini | Cayucos. |
| Helvetia, mare, all purposes | A. Tognazzini | Cayucos. |
| Nellie T, mare, roadster | A. Tognazzini | Cayucos. |
| Duke, Jr., stallion, roadster | N. H. Fitzwater | San Luis Obispo. |
| Suckling colt | E. W. Steele | Edna. |
| Suckling colt | E. W. Steele | Edna. |
| Suckling colt | E. W. Steele | Edna. |
| Kittie Kimo, mare, draft | E. W. Steele | Edna. |
| Sallie, mare, draft | E. W. Steele | Edna. |
| Mollie, mare, draft | E. W. Steele | Edna. |
| Kate, mare, draft | James Clausen | San Luis Obispo. |
| Suckling colt | James Clausen | San Luis Obispo. |
| Altoona, standard stallion | George Steele | Edna. |
| Maud, mare, roadster | George Steele | Edna. |
| Altoona, stallion and family | George Steele | Edna. |
| Golddust, mare, roadster | J. H. Orcutt | San Luis Obispo. |
| Calif Chief, stallion, draft | Dwight Reynolds | Paso Robles. |
| Stella and Edna, team roadster colts | C. R. Callender | San Luis Obispo. |
| Dode, colt, all purposes | C. R. Callender | San Luis Obispo. |
| Roy, colt, all purposes | C. R. Callender | San Luis Obispo. |
| Carrie and Percy C, colt roadsters | C. R. Callender | San Luis Obispo. |
| Stallion, two years old | C. R. Callender | San Luis Obispo. |
| Jennie T, colt, all purposes | A. Tognazzini | Cayucos. |
| Daisy M, roadster mare | S. E. Morse | Arroyo Grande. |
| Clearmont, stallion trotter | George Van Gorden | San Simeon. |
| Ginger, roadster colt | George Van Gorden | San Simeon. |
| Dante, stallion and family | C. R. Callender | San Luis Obispo. |
| Stallion | M. Elberg | San Luis Obispo. |
| Altoona, Jr., stallion | Robert Elliott | San Luis Obispo. |
| Mare, roadster | Robert Elliott | San Luis Obispo. |
| Suckling colt, roadster | Robert Elliott | San Luis Obispo. |
| Brutus, draft stallion | George M. Frink | San Luis Obispo. |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| Lady Thorn and Pocahontas, carriage team | J. G. Pennington | San Luis Obispo. |
| Yearling mare | J. H. Jasperson | San Luis Obispo. |
| Suckling colt | E. Price | Arroyo Grande. |
| Suckling colt | E. Price | Arroyo Grande. |
| Mare, roadster | Peter Edgar | San Luis Obispo. |
| Suckling colt | Peter Edgar | San Luis Obispo. |
| Yearling stallion | R. Bushnell | San Luis Obispo. |
| Crown Prince, draft stallion | E. W. Steele | Edna. |
| CLASS II—CATTLE. | | |
| Omaha, Holstein bull | E. W. Steele | Edna. |
| Belle of Pacific, Holstein cow | E. W. Steele | Edna. |
| Artis Carrissa, Holstein cow | E. W. Steele | Edna. |
| Queen of Pacific, Holstein cow | E. W. Steele | Edna. |
| Wissakicow, Holstein cow | E. W. Steele | Edna. |
| Four Holstein calves | E. W. Steele | Edna. |
| Jersey cow | E. W. Steele | Edna. |
| POULTRY. | | |
| Wyandotte fowls | Joseph Welsh | San Luis Obispo. |

## THE PUBLIC SCHOOLS.

In this department were exhibited samples of map drawing, industrial drawing, penmanship, entomological and geological collections, as well as a great variety of papers, showing the actual work of the pupils of the public schools of the county, constituting altogether one of the most pleasing and interesting features of the exhibit. Although the terms of the schools had but fairly begun, nearly every district in the county made a highly creditable showing, while, in some instances, the work was such as to reflect great credit upon the efficiency of the public schools. As a means of economizing the work of public education, of aiding in developing the resources of the county and inducing immigration, the society should extend every facility to school officers and teachers toward making this a permanent feature of the annual fair. To this end school exhibits should be made a separate class, and a liberal premium offered for the best general exhibit.

J. H. BARRETT, Secretary.

# PREMIUMS AWARDED—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—HORSES. | | | |
| Best stallion, thoroughbred | E. Price | San Luis Obispo | $10 00 |
| Best mare, three years old, thoroughbred | Geo. Van Gorden | San Simeon | $10 00 |
| Second best mare, three years old, thoroughbred | E. Price | San Luis Obispo | $5 00 |
| CLASS II—STANDARD BRED HORSES. | | | |
| Best stallion | W. H. Taylor | San Luis Obispo | $7 50 |
| Second best stallion | Geo. Steele | San Luis Obispo | $5 00 |
| Best mare, three years old or over | E. W. Steele | San Luis Obispo | $7 50 |
| Second best mare, three years old or over | Brown & Taylor | San Luis Obispo | $4 00 |
| CLASS III—ROADSTERS. | | | |
| Best stallion, two years old | Brown & Taylor | San Luis Obispo | $2 50 |
| Second best stallion, two years old | Geo. Van Gorden | San Simeon | $1 50 |
| Best stallion, one year old | Brown & Taylor | San Luis Obispo | $2 00 |
| Second best stallion, one year old | H. C. Petty | San Luis Obispo | $1 00 |
| Best mare, four years old | A. Tognazzini | Cayucos | $5 00 |
| Second best mare, four years old | J. H. Orcutt | San Luis Obispo | $2 50 |
| Best mare, three years old | C. R. Callender | San Luis Obispo | $3 00 |
| Best mare, two years old | A. Tognazzini | Cayucos | $2 50 |
| Best yearling filly | C. R. Callender | San Luis Obispo | $2 50 |
| Second best yearling filly | C. R. Callender | San Luis Obispo | $1 50 |
| Best suckling colt | P. Edgar | San Luis Obispo | $2 00 |
| Best span of matched roadsters | H. M. Warden | San Luis Obispo | $5 00 |
| Second best span of matched roadsters | J. G. Pennington | San Luis Obispo | $3 00 |
| Best single roadster | N. H. Fitzwater | San Luis Obispo | $2 50 |
| Second best single roadster | R. S. Brown | San Luis Obispo | $1 50 |
| Best stallion and family | Geo. Steele | San Luis Obispo | $7 50 |
| CLASS IV—DRAFT HORSES. | | | |
| Best stallion, three years old or over | G. M. Frink | San Luis Obispo | $7 50 and diploma. |
| Second best stallion, three years old or over | P. Kelley | San Luis Obispo | $4 00 |
| Best suckling colt | E. W. Steele | San Luis Obispo | $1 00 |
| Best mare, three years old or over | E. W. Steele | San Luis Obispo | $5 00 |
| Second best mare, three years old or over | J. Clausen | San Luis Obispo | $2 50 |
| Best stallion, two years old | C. A. Price | Arroyo Grande | $3 00 |
| Best suckling filly | J. Clausen | San Luis Obispo | $1 00 |
| CLASS V—CARRIAGE HORSES. | | | |
| Best carriage team | H. M. Warden | San Luis Obispo | $5 00 |
| Second best carriage team | R. M. Shackleford | Paso Robles | $2 50 |
| Best single horse | John Scott | Paso Robles | $2 50 |
| CLASS VI—HORSES FOR ALL PURPOSES. | | | |
| Best stallion, three years old or over | R. M. Shackleford | Paso Robles | $7 50 and diploma. |
| Second best stallion, three years old or over | H. J. Jasperson | San Luis Obispo | $4 00 |
| Best stallion, two years old | D. Reynolds | San Luis Obispo | $3 00 |
| Best mare, three years old or over | A. Tognazzini | Cayucos | $5 00 |
| Best mare, one year old | H. J. Jasperson | San Luis Obispo | $2 50 |
| Best stallion and family | C. R. Callender | San Luis Obispo | $7 50 and diploma. |
| CLASS VII—SADDLE HORSES. | | | |
| Best saddle horse | J. W. Warden | San Luis Obispo | $4 00 |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CATTLE. | | | |
| Best Jersey cow | E. W. Steele | Edna | $5 00 |
| Best Holstein bull, two years old | E. W. Steele | Edna | $5 00 |
| Best Holstein cow | E. W. Steele | Edna | $5 00 |
| Second best Holstein cow | E. W. Steele | Edna | $3 00 |
| Best Holstein herd | E. W. Steele | Edna | $5 00 |
| POULTRY. | | | |
| Best Wyandottes | Joseph Welsh | San Luis Obispo | $2 00 |

## MISCELLANEOUS DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Chinese paper | W. A. Henderson | San Luis Obispo | |
| Ulster Gazette | W. A. Henderson | San Luis Obispo | |
| Relics | W. A. Henderson | San Luis Obispo | Sp. men. |
| Relics | Mrs. E. Watkins | San Luis Obispo | Sp. men. |
| Shells | Mrs. J. M. Vincent | San Luis Obispo | $5 00 |
| Shells | Mrs. L. H. Bickford | San Luis Obispo | |
| Three pieces of worsted | Mrs. L. A. Brown | San Luis Obispo | |
| Wool | E. Watkins | San Luis Obispo | |
| Guinea eggs | Mrs. E. Hampton | San Luis Obispo | Sp. men. |
| One egg | Mrs. C. Maxwell | San Miguel | Sp. men. |
| Collection of eggs | A. Venable & A. Hayes | San Luis Obispo | Sp. men. |
| Tobacco | Mr. Angus | Creston | $2 00 |
| Lemons | Suey Ranch | Santa Maria | $5 00 |
| Best exhibit of peaches | A. M. Hardie | Cayucos | $5 00 |
| Best exhibit of prunes | E. A. Atwood | San Luis Obispo | $5 00 |
| Cabbage | E. Leedham | Arroyo Grande | $4 00 |
| Fifty pounds of wheat | G. S. Brown | Starkey | $4 00 |
| Fifty pounds of barley | S. C. Davis | Moro | $4 00 |
| Oats (wild) | J. V. Webster | Creston | $4 00 |
| Yellow corn in the ear | J. V. Webster | Creston | |
| Yellow corn in the ear | J. P. Andrews | San Luis Obispo | |
| Yellow corn in the ear | Mr. Beedan | Miles Station | |
| Yellow corn in the ear | W. W. Broughton | Lompoc | |
| Yellow corn in the ear | E. A. Atwood | San Luis Obispo | $4 00 |
| White corn in the ear | W. W. Broughton | Lompoc | |
| White corn in the ear | Capt. O. Root | Miles Station | |
| White corn in the ear | J. P. Andrews | San Luis Obispo | $4 00 |
| Sweet corn in the ear | J. Hansen | San Luis Obispo | $4 00 |
| Sweet corn in the ear | J. V. N. Young | Arroyo Grande | |
| Squash | J. S. Rice | Arroyo Grande | |
| Squash (largest) | Capt. O. Root | Miles Station | $5 00 |
| Squash | J. V. Webster | Creston | |
| Squash (best exhibit of garden produce) | J. V. N. Young | Arroyo Grande | $10 00 |
| Squash | Mr. Beedan | Miles Station | |
| Squash | J. Hansen | San Luis Obispo | |
| Squash, cooking | J. P. Andrews | San Luis Obispo | |
| Squash, cooking | J. V. Webster | Creston | |
| Squash, cooking | J. V. N. Young | Arroyo Grande | $4 00 |
| Watermelon | John Wilkinson | Huasna | $2 00 |
| Watermelon | A. T. Souza | San Luis Obispo | |
| Watermelon | A. F. Garcia | San Luis Obispo | |
| Watermelon | J. V. Webster | Creston | |
| Watermelon | John Wilkinson | Huasna | $2 00 |
| Onions, fifty pounds or over | J. Hansen | San Luis Obispo | |
| Onions | J. V. N. Young | Arroyo Grande | $4 00 |
| Onions | R. Byers | Arroyo Grande | |
| Onions | W. W. Broughton | Lompoc | |
| Cabbage | J. S. Rice | Arroyo Grande | |
| Cabbage | A. T. Sousa | San Luis Obispo | |
| Cabbage | J. Hansen | San Luis Obispo | |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Cabbage | J. V. N. Young | Arroyo Grande | |
| Beets | J. S. Rice | Arroyo Grande | |
| Beets | Thomas Welsh | San Luis Obispo | |
| Beets | J. Hansen | San Luis Obispo | |
| Beets | J. V. N. Young | Arroyo Grande | $4 00 |
| Carrots | Thomas Welsh | San Luis Obispo | |
| Carrots | J. V. N. Young | Arroyo Grande | $4 00 |
| Tomatoes | J. S. Rice | Arroyo Grande | |
| Tomatoes | J. Hansen | San Luis Obispo | $4 00 |
| Tomatoes | J. M. Huych | San Luis Obispo | |
| Tomatoes | J. V. N. Young | Arroyo Grande | |
| Tomatoes | Wm. Sandercock | San Luis Obispo | |
| Red peppers | J. S. Rice | Arroyo Grande | |
| Peppers | J. Hansen | San Luis Obispo | $4 00 |
| Peppers | J. V. N. Young | Arroyo Grande | |
| Beans | J. Hansen | San Luis Obispo | |
| Beans | J. V. N. Young | Arroyo Grande | $4 00 |
| Beans | Mr. Beedan | Miles Station | |
| Beans | J. P. Andrew | San Luis Obispo | |
| Tobacco | Mr. Angus | Creston | |
| Potatoes, fifty pounds or over | J. V. N. Young | Arroyo Grande | |
| Potatoes | G. Devoto | San Luis Obispo | $4 00 |
| Potatoes, sweet | J. V. N. Young | Arroyo Grande | $4 00 |
| Millet, evergreen | J. V. Webster | Creston | $4 00 |
| Artichokes | J. V. Webster | Creston | $2 00 |
| Barley | A. T. Souza | San Luis Obispo | |
| Single onion | A. T. Souza | San Luis Obispo | $1 00 |
| Green peas | A. T. Souza | San Luis Obispo | $2 00 |
| Pepper plants | J. S. Rice | Arroyo Grande | $1 00 |
| Kaffir corn | J. V. Webster | Creston | $2 00 |
| Radishes | Mrs. J. M. Vincent | San Luis Obispo | $2 00 |
| Parsnips | J. Hansen | San Luis Obispo | $2 00 |
| Parsnips | J. V. N. Young | Arroyo Grande | |
| Turnips | J. Hansen | San Luis Obispo | $2 00 |
| Butter, fifty pounds or over | E. W. Steele | Edna | |
| Butter | Peter Tognazzini | Cayucos | $10 00 |
| Cheese | E. Watkins | San Luis Obispo | |
| Cheese | Frank Pierce | Pizino | $10 00 |
| Honey (comb) | Mrs. L. H. Bickford | San Luis Obispo | $2 00 |
| Single roll of butter | A. F. Garcia | Pozo | $5 00 |
| Bread (home made) | Mrs. D. Losoe | | $5 00 |
| Riesling wine | Goldtree Bros. | San Luis Obispo | $2 50 |
| Wines (Mission) | Goldtree Bros. | San Luis Obispo | $2 50 |
| Red wine in bottles | M. J. Lopaz | San Luis Obispo | |
| Red wine in bottles (Zinfandel) | Goldtree Bros. | San Luis Obispo | $4 00 |
| White wine | Goldtree Bros. | San Luis Obispo | $4 00 |
| Red wine | Dr. W. W. Hays | San Luis Obispo | $4 00 |
| White wine | Dr. W. W. Hays | San Luis Obispo | $4 00 |
| Pampas plumes | Mrs. H. M. Warden | San Luis Obispo | $2 00 |
| Pampas plumes | Mrs. F. Adams | San Luis Obispo | |
| Various kinds of seeds | J. V. Webster | Creston | $4 00 |
| Various kinds of seeds | A. N. Rude | Estrella | |
| Various kinds of seeds | A. C. Gibson | Los Asos | |
| Cocoons | Wm. Evans | San Luis Obispo | $2 00 |
| Cucumbers | J. S. Rice | Arroyo Grande | |
| Cucumbers | J. Hansen | San Luis Obispo | $2 00 |
| Cucumbers | J. V. N. Young | Arroyo Grande | |
| Cucumbers | Wm. Sandercock | San Luis Obispo | |
| Muskmelons | J. Hansen | San Luis Obispo | $2 00 |
| Muskmelons | Captain O. Root | Miles Station | |
| Almonds | Goldtree Bros. | San Luis Obispo | |
| Almonds | J. P. Andrews | San Luis Obispo | $2 00 |
| Almonds | Dr. Hathway | San Luis Obispo | |
| Hops | J. V. Webster | Creston | $5 00 |
| Sorghum | J. V. Webster | Creston | |
| Walnuts | J. P. Andrews | San Luis Obispo | $2 00 |
| Chestnuts | M. J. Lopaz | San Luis Obispo | $2 50 |
| Rhubarb | J. Hansen | San Luis Obispo | |
| Celery | J. Hansen | San Luis Obispo | |

MISCELLANEOUS DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Pumpkins | J. V. N. Young | Arroyo Grande | |
| Sugarcane | J. V. Webster | Creston | $2 00 |
| Best double display | Hardie & Hazard | | $10 00 |
| Best single display | E. A. Atwood | San Luis Obispo | $15 00 |
| Best variety | E. Leedham | Arroyo Grande | $5 00 |
| Stone cutting | James Hughill | Nipomo | $5 00 |

## LADIES' DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Sofa pillow | J. C. Stocking | Moro | |
| Sofa pillow | Mrs. G. B. Nichols | San Luis Obispo | $2 00 |
| Feather work | Sinsheimer Bros. | San Luis Obispo | |
| Handkerchief bag | Mrs. Beidenbach | San Luis Obispo | |
| Perfume bag | Mrs. Beidenbach | San Luis Obispo | |
| Shaving case | Mrs. Beidenbach | San Luis Obispo | |
| Handkerchief case | Mrs. Beidenbach | San Luis Obispo | $1 00 |
| Handkerchief case | Minnie Eagan | San Luis Obispo | |
| Lavender fagots | Naomi Canon | San Luis Obispo | $1 00 |
| Rugs | Kate Thatcher | Arroyo Grande | $1 00 |
| Portuguese handkerchief | J. B. Blake | San Luis Obispo | |
| Embroidery | Frances Flores | San Luis Obispo | |
| Silk scarf | Frances Flores | San Luis Obispo | |
| Silk dress | Frances Flores | San Luis Obispo | |
| Spanish work | Minnie Correa (eight years) | San Luis Obispo | $1 00 |
| Artificial flowers | Mrs. E. Motz | San Luis Obispo | |
| Artificial flowers | Mrs. E. Motz | San Luis Obispo | |
| Artificial flowers | Mrs. E. Motz | San Luis Obispo | |
| Artificial flowers | Mrs. S. Hoefer | San Luis Obispo | |
| Artificial flowers | Mrs. S. Hoefer | San Luis Obispo | |
| Artificial flowers | Mrs. S. Hoefer | San Luis Obispo | |
| Artificial flowers | Mrs. L. M. Warden | San Luis Obispo | $10 00 |
| Artificial flowers | Mrs. S. Olinsky | San Luis Obispo | |
| Artificial flowers | Mrs. Mary Stark | San Luis Obispo | |
| Bead work | Mrs. S. Olinsky | San Luis Obispo | $2 00 |
| Bead work | Mrs. J. M. Vincent | San Luis Obispo | |
| Crazy quilt | Mrs. E. C. Isom | Moro | |
| Crazy quilt | Mrs. L. H. Bickford | San Luis Obispo | $2 00 |
| Crochet work | Mrs. N. D. Brown | San Luis Obispo | |
| Crochet work | Edith M. Barrett | San Luis Obispo | |
| Crochet work | Mrs. A. E. Barrett | San Luis Obispo | |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work | Mrs. Venable | San Luis Obispo | $2 00 |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work | Mrs. S. Olinsky | San Luis Obispo | |
| Rag carpet, ten yards | Miss S. A. Palmer | San Luis Obispo | $2 00 |
| Embroidery | Mrs. L. M. Warden | San Luis Obispo | |
| Embroidery | Minnie Nelligan | Creston | $5 00 |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | E. L. Dickerson | San Luis Obispo | |
| Embroidery | Mrs. S. Olinsky | San Luis Obispo | |
| Embroidery | Mrs. S. Olinsky | San Luis Obispo | |
| Moss work | J. C. Stocking | Moro | $2 00 |
| Patchwork quilt | Mrs. M. Schnider | Arroyo Grande | $2 00 |
| Patchwork quilt | Mrs. M. Schnider | Arroyo Grande | |
| Patchwork quilt | Mrs. P. Moore | Oso Flaco | |

LADIES' DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Patchwork quilt | E. L. Dickerson | San Luis Obispo | |
| Patchwork quilt | Mrs. Beidenbach | San Luis Obispo | |
| Patchwork quilt | Mrs. Beidenbach | San Luis Obispo | |
| Patchwork quilt | Mrs. Silva | San Luis Obispo | |
| Patchwork quilt | Mrs. J. H. Orcutt | San Luis Obispo | |
| Patchwork quilt | Mrs. Mary Word | San Luis Obispo | |
| Patchwork quilt | Mrs. Mary Word | San Luis Obispo | |
| Shell work | Mrs. J. C. Stocking | Moro | $2 00 |
| Slippers, worked | Mrs. A. M. Norton | San Luis Obispo | $2 00 |
| Thread lace | Miss A. Gans | Cambria | $5 00 |
| Thread lace | Mrs. J. M. Vincent | San Luis Obispo | |
| Thread lace | Mrs. Silva | San Luis Obispo | |
| Thread lace | Mrs. Silva | San Luis Obispo | |
| Thread lace | Miss Alice Leland | San Luis Obispo | |
| Knitting work | Susie Harris | Creston | $2 00 |
| Knitting work | Susie Harris | Creston | |
| Knitting work | Susie Harris | Creston | |
| Knitting work | Mrs. Franklin | Cambria | |
| Knitting work | Mrs. S. Olinsky | San Luis Obispo | |
| Tatting | Mrs. W. M. York | San Luis Obispo | $2 00 |
| Arrasene | May Wurch | San Luis Obispo | |
| Arrasene | Mollie Badger | San Luis Obispo | |
| Arrasene | Mollie Badger | San Luis Obispo | |
| Arrasene | E. L. Dickerson | San Luis Obispo | $2 00 |
| Arrasene | E. L. Dickerson | San Luis Obispo | |
| Arrasene | Mrs. S. Olinsky | San Luis Obispo | |
| Arrasene | Mrs. S. Olinsky | San Luis Obispo | |
| Arrasene | Mrs. S. Olinsky | San Luis Obispo | |
| Arrasene | Mrs. S. Olinsky | San Luis Obispo | |
| Tidies | Mrs. P. Moore | Oso Flaco | |
| Tidies | Mrs. P. Moore | Oso Flaco | |
| Tidies | Minnie Blake | San Luis Obispo | $2 00 |
| Tidies | Minnie Blake | San Luis Obispo | |
| Tidies | Mollie Badger | San Luis Obispo | |
| Tidies | Mrs. Franklin | Cambria | |
| Tidies | Mrs. S. Olinsky | San Luis Obispo | |
| Tidies | Mrs. Canon | San Luis Obispo | |
| Tidies | Mrs. D. Hayes | San Luis Obispo | |
| Tidies | Minnie Egan | San Luis Obispo | |
| Tidies | Lillian Spurgeon | San Luis Obispo | |
| Pincushion | Mrs. P. Moore | Oso Flaco | |
| Pincushion | Mrs. C. H. Reed | San Luis Obispo | $2 00 |
| Pincushion | Mrs. Beidenbach | San Luis Obispo | |
| Banner | Mrs. P. Moore | San Luis Obispo | |
| Banner | Miss C. B. Russell | San Luis Obispo | |
| Banner | E. L. Dickerson | San Luis Obispo | $2 00 |
| Banner | Mrs. S. Olinsky | San Luis Obispo | |
| Banner | E. L. Dickerson | San Luis Obispo | |
| Banner | E. L. Dickerson | San Luis Obispo | |
| Banner | G. C. Darke | San Luis Obispo | |
| Outline embroidery | Mrs. S. Hoefer | San Luis Obispo | $2 00 |
| Outline embroidery | Mrs. W. H. Warden | San Luis Obispo | |
| Outline embroidery | Mary Bishop | San Luis Obispo | |
| Macrame work | Mollie Badger | San Luis Obispo | $2 00 |
| Macrame work | Mollie Badger | San Luis Obispo | |
| Macrame work | Mary Curran | San Luis Obispo | |
| Charm string | Mrs. W. M. York | San Luis Obispo | $1 00 |
| Rose pillow | Mrs. J. H. Orcutt | San Luis Obispo | $2 00 |
| Coverlid | Mrs. Franklin | Cambria | $2 00 |
| Coverlid | Miss S. A. Palmer | San Luis Obispo | |
| Crazy table scarf | Mrs. L. M. Warden | San Luis Obispo | $5 00 |
| Crazy sofa pillow | Mrs. L. M. Warden | San Luis Obispo | $5 00 |
| Crazy sofa pillow | Mrs. Beidenbach | San Luis Obispo | |
| Table linen | Mrs. L. M. Warden | San Luis Obispo | |
| Table linen | E. L. Dickerson | San Luis Obispo | |
| Embroidery, eight pieces | Mrs. S. Olinsky | San Luis Obispo | |
| Handkerchief box | Mrs. S. Olinsky | San Luis Obispo | |
| Two collar boxes | Mrs. S. Olinsky | San Luis Obispo | |
| Netted work, two pieces | Mrs. S. Olinsky | San Luis Obispo | |

LADIES' DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Needlework | Mrs. S. Olinsky | San Luis Obispo | |
| Needlework | Julia Hill | San Luis Obispo | |
| Canvas work | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet work No. 2 | Mrs. S. Olinsky | San Luis Obispo | |
| Crochet | Mrs. Beidenbach | San Luis Obispo | |
| Crochet | Mrs. A. Gans | Cambria | |
| Crochet | Mrs. J. M. Vincent | San Luis Obispo | |
| Crochet | Mrs. Venable | San Luis Obispo | |
| Two fancy trays and bird | Mrs. S. Olinsky | San Luis Obispo | |
| Honiton lace | Myrtie Huyck | San Luis Obispo | $1 00 |
| Pieces of lava | E. L. Dickerson | San Luis Obispo | $1 00 |
| Artificial fruit | E. L. Dickerson | San Luis Obispo | |
| Longest charm string | Susie Ward | San Luis Obispo | $2 00 |
| Embroidery | Minnie Egan | San Luis Obispo | $1 00 |
| Sofa pillow | Mrs. G. B. Nichols | San Luis Obispo | $2 00 |
| Drawings, architectural | H. S. Laird | San Luis Obispo | $10 00 |
| Penmanship | C. H. Lysing | Nipoma | $10 00 |
| Painting in oil | Lolo Ward | San Luis Obispo | $10 00 |
| Painting in oil | May Hathaway | San Luis Obispo | |
| Painting in oil, flowers | Mrs. H. E. McBride | San Luis Obispo | $10 00 |
| Painting in oil, flowers | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, flowers | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, flowers | Miss Blanche Canon | San Luis Obispo | |
| Painting in oil, flowers | Miss Alice Leland | San Luis Obispo | |
| Painting in oil, flowers | Mrs. R. Clansen | Pozo | |
| Painting in oil, flowers | Miss Littlefield | Oakland | |
| Painting in oil, flowers | H. D. Bond | San Francisco | |
| Painting in oil, flowers | Mrs. Delzelle | San Luis Obispo | |
| Painting in oil, flowers | Mrs. Delzelle | San Luis Obispo | |
| Painting in oil, flowers | Miss Katie Knapp | San Luis Obispo | |
| Painting in oil, animal | Mrs. H. E. McBride | San Luis Obispo | $10 00 |
| Painting in oil, animal | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, animal | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, animal | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, landscape | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, landscape | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, landscape | Mrs. H. E. McBride | San Luis Obispo | |
| Painting in oil, landscape | Miss Blanche Canon | San Luis Obispo | $10 00 |
| Painting in oil, landscape | Miss Blanche Canon | San Luis Obispo | |
| Painting in oil, landscape | Miss Blanche Canon | San Luis Obispo | |
| Painting in oil, landscape | Miss Blanche Canon | San Luis Obispo | |
| Painting in oil, landscape | Miss Blanche Canon | San Luis Obispo | |
| Painting in oil, landscape | Miss Littlefield | Oakland | |
| Painting in oil, landscape | Miss Littlefield | Oakland | |
| Painting in oil, landscape | Mrs. W. H. Warden | San Luis Obispo | |
| Painting in oil, landscape | Miss Cora B. Russell | San Luis Obispo | |
| Painting in oil, portrait | Mrs. W. H. Warden | San Luis Obispo | $10 00 |
| Painting in oil, portrait | May Hathaway | San Luis Obispo | |
| Water colors (fruit) | May Hathaway | San Luis Obispo | $10 00 |
| Water colors (flowers) | Mrs. H. E. McBride | San Luis Obispo | |
| Water colors (flowers) | Mrs. H. E. McBride | San Luis Obispo | |
| Water colors (flowers) | May Hathaway | San Luis Obispo | $10 00 |
| Water colors (landscape) | Lolo Ward | San Luis Obispo | |
| Kindergarten work | Hesperia School District | Cambria | |
| Crayon portrait | Miss B. Canon | San Luis Obispo | $5 00 |
| Crayon portrait | Miss B. Canon | San Luis Obispo | |
| Painting in oil (flowers) | Miss Katie Knapp | San Luis Obispo | |
| Painting in oil (flowers) | E. L. Dickerson | San Luis Obispo | |
| Painting in oil (flowers) | Lolo Ward | San Luis Obispo | |
| Painting in oil (flowers) | May Hathaway | San Luis Obispo | |

LADIES' DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Fire screen | Miss Cora B. Russell | San Luis Obispo | |
| China plaques | Miss Cora B. Russell | San Luis Obispo | |
| Landscape painting in oil | Mrs. W. M. York | San Luis Obispo | |
| Landscape painting in oil | Mrs. W. M. York | San Luis Obispo | |
| Landscape painting in oil | Mrs. W. M. York | San Luis Obispo | |
| Landscape painting in oil | Mrs. W. M. York | San Luis Obispo | |
| Landscape painting in oil | Lolo Ward | San Luis Obispo | |
| Kensington painting | E. L. Dickerson | San Luis Obispo | |
| Painted ice cream set | Mrs. C. H. Reed | San Luis Obispo | |
| Kensington painting | Mrs. H.E. McBride | San Luis Obispo | |
| Kensington painting | Miss Littlefield | Oakland | |
| Crayon landscape | Miss Mabel King | San Luis Obispo | $5 00 |
| Crayon landscape | Miss Mabel King | San Luis Obispo | |
| Crayon landscape | Miss Mabel King | San Luis Obispo | |
| Worsted pictures | Miss Annie J. Murphy | San Luis Obispo | $2 00 |
| Lompoc exhibit | E. W. Broughton | San Luis Obispo | Dip., $25. |
| Bartlett pears | C. W. Wilson | San Luis Obispo | $2 50 |
| Fine peaches | Lascano Bros. | Pozo | $2 50 |
| Extra peaches | James Kelly | San Luis Obispo | Dip.,$2 50 |
| Almonds from Abbott Ranch | E. Goodall | San Francisco | $3 00 |
| Feather work | Mrs. J. C. Stocking | Moro | $2 00 |
| Wool work pictures | Mrs. E. Watkins | San Luis Obispo | $2 00 |
| Suits of clothes | Sinsheimer Bros. | San Luis Obispo | $5 00 |
| Brick, one hundred or more | H. J. Dutton | San Luis Obispo | $5 00 |
| Decorative woodwork | Mrs. R. A. Loomis | San Luis Obispo | $2 00 |
| Decorative woodwork | Geo. Van Gorden | San Simeon | $5 00 |
| Decorative woodwork | Thomas Welsh | San Luis Obispo | |
| Double carriage harness | J. P. Hoefer & Co. | San Luis Obispo | $5 00 |
| Single carriage harness | J. P. Hoefer & Co. | San Luis Obispo | $5 00 |
| Iron articles | Mrs. J. M. Vincent | San Luis Obispo | $5 00 |
| Saddles | J. P. Hoefer & Co. | San Luis Obispo | $5 00 |
| Stone cutting | Park & Bolt | Nipomo | $2 00 |
| Stone cutting | J. S. Rice | Arroyo Grande | |
| Taxidermist's display | Bessie and Adell Woods | San Luis Obispo | $5 00 |
| Scroll sawing | Thomas Welsh | San Luis Obispo | $5 00 |
| Scroll sawing | Thomas Welsh | San Luis Obispo | |
| Two-horse wagon | E. J. Kay | San Luis Obispo | $5 00 |
| Jelly stand | Mrs. H.M. Warden | San Luis Obispo | |
| Case of horseshoes | C. A. Younglove | San Luis Obispo | $5 00 |
| Mechanical skill | Arthur Stewart | San Luis Obispo | $2 00 |
| Mechanical skill | J. E. Lewis | San Luis Obispo | $2 00 |
| Mechanical skill | J. E. Lewis | San Luis Obispo | |
| Dental specimens | Dr. W. S. Richey | San Luis Obispo | |

## MUSICAL INSTRUMENTS.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Banjos | Miss Cora B. Russell | San Luis Obispo | $5 00 |
| Organ | J. S. Riggs | San Luis Obispo | Diploma. |
| Organ | J. S. Riggs | San Luis Obispo | |
| Organ | J. S. Riggs | San Luis Obispo | |
| Organ | J. S. Riggs | San Luis Obispo | |
| Three pianos | J. S. Riggs | San Luis Obispo | Diploma. |

## FRUITS.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Apples | J. T. Walker | San Luis Obispo | |
| Apples, three varieties | J. L. Armstrong | San Luis Obispo | |
| Apples | M. J. Lopez | San Luis Obispo | |
| Apples | S. C. Davis | Moro | |
| Apples | E. W. Steele | Edna | |
| Apples | Uriah Porter | San Luis Obispo | |
| Apples | Mrs. J. H. Orcutt | San Luis Obispo | |
| Apples | E. A. Atwood | San Luis Obispo | $10 00 |
| Apples | McD. R. Venable | San Luis Obispo | |
| Apples | A. M. Kurtz | San Luis Obispo | |
| Blackberries | J. V. N. Young | Arroyo Grande | |
| Blackberries | J. S. Rice | Arroyo Grande | $2 50 |
| Grapes | P. Tartaglia | Adelaide | |
| Grapes | Goldtree Bros. | San Luis Obispo | |
| Grapes, three varieties | J. V. Webster | Creston | |
| Grapes | J. P. Andrews | San Luis Obispo | $7 50 |
| Grapes | H. J. Dutton | San Luis Obispo | |
| Grapes | J. H. Orcutt | San Luis Obispo | |
| Grapes | Wm. Sandercock | San Luis Obispo | |
| Lemons | J. P. Andrews | San Luis Obispo | |
| Lemons | A. R. Hathaway | San Luis Obispo | |
| Limes | A. R. Hathaway | San Luis Obispo | |
| Oranges | J. P. Andrews | San Luis Obispo | |
| Oranges | E. Leedham | Arroyo Grande | $5 00 |
| Pears | P. Tartaglia | Adelaide | |
| Pears | M. J. Lopez | San Luis Obispo | |
| Pears | S. C. Davis | Moro | |
| Pears | J. H. Orcutt | San Luis Obispo | |
| Pears | A. M. Kurtz | San Luis Obispo | |
| Pears | J. V. Webster | Creston | |
| Pears | H. J. Dutton | San Luis Obispo | |
| Pears | J. H. Orcutt | San Luis Obispo | |
| Pears | M. J. Lopez | San Luis Obispo | |
| Pears | J. V. N. Young | Arroyo Grande | |
| Pears | W. W. Broughton | Lompoc | |
| Pears | Sinsheimer Bros. | San Luis Obispo | |
| Peaches | P. Tartaglia | Adelaide | |
| Peaches | Azra Porter | Huasna | |
| Peaches | Mrs. D. Lowe | San Luis Obispo | |
| Peaches | McD. R. Venable | San Luis Obispo | |
| Peaches | Goldtree Bros. | San Luis Obispo | |
| Peaches, two varieties | J. V. Webster | Creston | |
| Peaches | J. V. N. Young | Arroyo Grande | |
| Peaches | James Kelly | San Luis Obispo | |
| Peaches | J. P. Andrews | San Luis Obispo | |
| Strawberries, two varieties | C. B. Tulley | San Luis Obispo | |
| Strawberries | J. V. N. Young | Arroyo Grande | $2 50 |
| Plums | E. Leedham | Arroyo Grande | $5 00 |
| Prunes | E. Leedham | Arroyo Grande | |
| Quince apples | C. B. Tulley | San Luis Obispo | |
| Quinces | J. L. Armstrong | San Luis Obispo | |
| Quinces | Uriah Porter | San Luis Obispo | |
| Quinces | McD. R. Venable | San Luis Obispo | |
| Quinces | J. V. N. Young | Arroyo Grande | |
| Quinces | J. H. Orcutt | San Luis Obispo | |
| Quinces | W. W. Broughton | Lompoc | |
| Quinces | E. Leedham | Arroyo Grande | |
| Pomegranates | M. J. Lopez | San Luis Obispo | |
| Pomegranates | Mr. Moreland | San Luis Obispo | |
| Figs | William Evans | San Luis Obispo | |
| Figs | Sinsheimer Bros. | San Luis Obispo | |
| Apples | E. Boreland | Miles Station | |
| Apples | J. P. Andrews | San Luis Obispo | |
| Apples | J. M. Huyck | San Luis Obispo | |
| Apples | J. H Orcutt | San Luis Obispo | |
| Apples | J. V. N. Young | Arroyo Grande | $2 50 |
| Apples | W. W. Broughton | Lompoc | |
| Apples | A. C. Gibson | San Luis Obispo | |

FRUITS—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Apples | Sinsheimer Bros. | San Luis Obispo | |
| Apples | E. Leedham | Arroyo Grande | $5 00 |
| Crabapples | J. V. N. Young | Arroyo Grande | |
| Pears | E. Leedham | Arroyo Grande | $5 00 |
| Pears | J. P. Andrews | San Luis Obispo | |
| CANNED FRUITS AND JELLIES IN GLASS. | | | |
| Canned fruit | Mrs. D. Lowe | San Luis Obispo | |
| Canned fruit | Mrs. J. C. Stocking | Moro | $5 00 |
| Dried fruit | E. W. Steele | Edna | $7 50 |
| Dried fruit | Will. Findley | Arroyo Grande | |
| Jams in glass | Mrs. D. Lowe | San Luis Obispo | |
| Jams in glass | Mrs. J. C. Stocking | Moro | $2 50 |
| Jellies in glass | Mrs. D. Lowe | San Luis Obispo | |
| Jellies in glass | M. J. Lopez | San Luis Obispo | |
| Jellies in glass | Mrs. J. H. Orcutt | San Luis Obispo | |
| Jellies in glass | Captain O. Root | Miles Station | |
| Jellies in glass | Mrs. J. C. Stocking | Moro | $2 50 |
| Jellies in glass | Mrs. N. J. Abbott | San Luis Obispo | |
| Apple jelly | Mrs. H. M. Warden | San Luis Obispo | $2 50 |
| Preserved fruit in glass | Mrs. J. C. Stocking | Moro | $2 50 |
| Sweet pickles | Mrs. J. C. Stocking | Moro | $2 50 |
| Plum jelly | Mrs. H. M. Warden | San Luis Obispo | $2 50 |
| Crabapple jelly | Mrs. H. M. Warden | San Luis Obispo | |
| Crabapple and blackberry jelly | Mrs. H. M. Warden | San Luis Obispo | |
| Quince jelly | Mrs. H. M. Warden | San Luis Obispo | |
| Catsup of four varieties | J. B. Meacham | Huasna | |
| Catsup | Mrs. J. C. Stocking | Moro | $2 50 |
| FLOWERS. | | | |
| Basket flowers | Ger'udeSinsheimer | San Luis Obispo | |
| Basket flowers | Geo. O. Taylor | Arroyo Grande | |
| Flowering plants | Mrs. Brumley | San Luis Obispo | $5 00 |
| Hand bouquet | Geo. O. Taylor | Arroyo Grande | $5 00 |
| Parlor bouquet | Ger'udeSinsheimer | San Luis Obispo | |
| Parlor bouquet | Geo. O. Taylor | Arroyo Grande | $5 00 |
| Parlor bouquet | Mrs. G. Richmond | San Luis Obispo | |
| Roses—named | Geo. O. Taylor | Arroyo Grande | $2 00 |
| Sunflower | David Andrews | San Luis Obispo | |
| Sunflower | Captain O. Root | Miles Station | $1 00 |

## MINERALOGICAL.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Petrified wood | Mrs. J. M. Vincent | San Luis Obispo | |
| Stalagmite | Mrs. J. M. Vincent | San Luis Obispo | |
| Stalagmite | G. H. Andrews | San Luis Obispo | |
| Bituminous rock | F. Adams | San Luis Obispo | Diploma. |
| Minerals | Newson School District | Arroyo Grande | |
| Minerals | Wm. Copeland | San Luis Obispo | |
| Minerals | Naomi Canon | San Luis Obispo | $2 00 |
| Limestone | P. Tartaglia | Adelaide | |
| Onyx | Sidney Sinsheimer | San Luis Obispo | |

## BABIES.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Prettiest baby over six months old and under twelve | Leroy Emerson | San Luis Obispo | |
| Prettiest baby over six months old and under twelve | David Thaler | San Luis Obispo | |
| Prettiest baby over six months old and under twelve | R. P. Sutliffe | San Luis Obispo | $15 00 |
| Prettiest baby over six months old and under twelve | Mrs. Inda Brown | San Luis Obispo | $3 50 |
| Biggest baby under twelve months old | Geo. M. Frink | San Luis Obispo | |
| Biggest baby under twelve months old | Thomas Wallis | San Luis Obispo | $3 50 |

## MERCHANDISE.

| Article Exhibited. | Exhibitor. | Address. | Award |
|---|---|---|---|
| Boots and shoes | Crocker Bros. | San Luis Obispo | $5 00 |
| Dry goods | Crocker Bros. | San Luis Obispo | $5 00 |
| Fancy goods | Crocker Bros. | San Luis Obispo | $5 00 |
| General display | Crocker Bros. | San Luis Obispo | $5 00 |
| Clothing | Crocker Bros. | San Luis Obispo | $5 00 |

# SPEED PROGRAMME.

TUESDAY, SEPTEMBER 18, 1888.

RACE NO. 1—TROTTING.

For three-year olds owned in San Luis Obispo County. Five to enter and three to start. Purse, two hundred dollars; one hundred dollars added if 2:40 is beaten. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Miss Monroe, b. m., by Monroe Chief | Brown & Taylor | San Luis Obispo. |
| Frankie, g. m., by Altoona | George Van Gorden | San Simeon. |
| Estella C, blk. m., by Director | E. W. Steele | Edna. |

SUMMARY.

| | | | |
|---|---|---|---|
| Miss Monroe | 1 | 1 | 1 |
| Frankie | 2 | 2 | 3 |
| Estella C | 3 | 3 | 2 |

*Time*—2:41; 2:45; 2:43.

RACE NO. 2—TROTTING.

Colt Stakes for two-year olds. Five to enter and three to start. Entrance fee, thirty dollars; to which the Association adds one hundred dollars. For colts in Santa Barbara, Monterey, and San Luis Obispo Counties. Mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Monroe S, by Monroe Chief | Brown & Taylor | San Luis Obispo. |
| Clearmount, by Maginnis | George Van Gorden | San Simeon. |
| Alta, by Altoona | Smith & Ferguson | Santa Maria. |

SUMMARY.

| | | |
|---|---|---|
| Clearmount | 1 | 1 |
| Monroe S | 2 | 2 |
| Alta | 3 | 3 |

*Time*—3:00; 2:57½.

RACE NO. 3—TROTTING.

For horses owned in Santa Cruz, Monterey, Santa Barbara, and San Luis Obispo Counties. Five to enter and three to start. Purse, five hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosewald, g. s. | T. A. Storke | Santa Barbara. |
| Jim L, c. s. | J. Linscott | Watsonville. |
| Commodore Nutwood, b. s. | Harry Seig | San Luis Obispo. |
| Kappoch, s. s. | W. McDonald | San Miguel. |
| Fred Arnold, blk. s. | —— Allbright | San Luis Obispo. |

SUMMARY.

| | | |
|---|---|---|
| Jim L | 1 | 1 |
| Rosewald | 2 | 2 |

*Time*—2:35; 2:28; 2:30½.

---

WEDNESDAY, SEPTEMBER 19, 1888.

RACE NO. 4—RUNNING.

Free to all. Weight to age. Purse, one hundred and twenty-five dollars. Half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hit or Miss, b. m., by Red | John M. Price | San Luis Obispo. |
| Sid Law | E. R. Den | Los Alamos. |
| Paloma | George Van Gorden | San Simeon. |
| Sleepy Dick | George Nicholson | Pozo. |

SUMMARY.

| | |
|---|---|
| Sid Law | 1 |
| Hit or Miss | 2 |
| Paloma | 3 |
| Sleepy Dick | 4 |

*Time*—0.50½.

---

RACE NO. 5—RUNNING.

Purse, two hundred dollars. One mile dash for horses owned in Monterey, Santa Cruz, Santa Barbara, and San Luis Obispo Counties. Five to enter and three to start.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elsie B | George Van Gorden | San Simeon. |
| Gladstone | E. R. Den | Los Alamos. |
| Lady R | Phil. Collins | |

SUMMARY.

| | |
|---|---|
| Gladstone | 1 |
| Elsie B | 2 |
| Lady R | 3 |

*Time*—1:46.

---

RACE NO. 6—RUNNING.

For three-year olds and under. Purse, one hundred and fifty dollars. Three-quarter mile dash. Weight for age. Five to enter and three to start.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Paloma | George Van Gorden | San Simeon. |
| Hit or Miss | J. M. Price | San Luis Obispo. |
| Kittie C | Cavanaugh Bros. | Monterey. |

SUMMARY.

| | |
|---|---|
| Hit or Miss | 1 |
| Paloma | 2 |
| Kittie C | 3 |

*Time*—1:18¾.

RACE No. 7—SPECIAL TROTTING.

Purse, two hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Topsy | George Smith | |
| Lina H | George Van Gorden | San Simeon. |
| May Queen | Charles Merritt | |
| Nigger Baby | Arza Porter | Huasna. |
| Stone | H. Moskovitz | San Luis Obispo. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Nigger Baby | 2 | 1 | 1 | 1 |
| May Queen | 1 | 3 | 2 | 2 |
| Topsy | 3 | 2 | 3 | 3 |
| Lena H | 4 | 4 | 4 | 4 |
| Stone | 5 | 5 | 5 | 5 |

*Time*—2:36; 2:37; 2:38; 2:37½.

THURSDAY, SEPTEMBER 20, 1888.

RACE No. 8—RUNNING.

Free for all. Purse, two hundred dollars. Five-eighths mile dash. Weight to age.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Enterprise | E. Price | |
| Lady R | Phil. Collins | |
| Elsie B | George Van Gorden | San Simeon. |
| Sid Law | E. R. Den | Los Alamos. |
| Martinez | J. Rochine | |

SUMMARY.

| | |
|---|---|
| Elsie B | 1 |
| Enterprise | 2 |
| Martinez | 3 |
| Lady R | 4 |
| Sid Law | 5 |

*Time*—1:06.

RACE No. 9—TROTTING.

3:00 Class. Purse, one hundred and fifty dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bay Billy | Harry Seig | San Luis Obispo. |
| Duke, Jr. | J. Ferguson | San Luis Obispo. |
| Bonner | C. L. Woods | San Luis Obispo. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Bay Billy | 2 | 1 | 2 | 1 | 1 |
| Bonner | 1 | 2 | 1 | 2 | 2 |

*Time*—2:52; 3:01½; 2:58; 3:01; 3:01.

---

RACE NO. 10—TROTTING.

For named horses. Purse, one hundred dollars. Best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Stone | H. Moskovitz | San Luis Obispo. |
| Tamboline | Geo. Van Gorden | San Simeon. |

SUMMARY.

| | | | |
|---|---|---|---|
| Tamboline | 1 | 1 | 1 |
| Stone | 2 | 2 | 2 |

*Time*—2:50; 2:43; 2:40.

---

FRIDAY, SEPTEMBER 21, 1888.

RACE NO. 11—RUNNING.

Purse, one hundred and fifty dollars. One half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Kitty C | Cavanaugh Bros. | |
| Paloma | Geo. Van Gorden | San Simeon. |
| Dante | C. R. Callender | San Luis Obispo. |
| Martinez | J. Rochine | |

SUMMARY.

| | |
|---|---|
| Martinez | 1 |
| Paloma | 2 |
| Kitty C | 3 |
| Dante | 4 |

---

RACE NO. 12—RUNNING.

For two-year olds. Purse, one hundred dollars. Half-mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Pirate | Cavanaugh Bros. | |
| Miama | Alex. Smiden | |
| Carrie C | C. Rodriguez | |

SUMMARY.

| | |
|---|---|
| Pirate | 1 |
| Carrie C | 2 |
| Miama | 3 |

*Time*—0:53½.

RACE NO. 13—NOVELTY RUNNING.

Purse, one hundred and twenty-five dollars. First quarter, twenty-five dollars; and first horse at each quarter, twenty-five dollars additional. One and one quarter miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elsie B | George Van Gorden | San Simeon. |
| Wild Bill | George Van Gorden | San Simeon. |
| Enterprise | E. Price | |
| Hit or Miss | J. M. Price | San Luis Obispo. |

SUMMARY.

| | |
|---|---|
| Elsie B | First quarter. |
| Elsie B | Second quarter. |
| Hit or Miss | Third quarter. |
| Hit or Miss | Fourth quarter. |
| Hit or Miss | Fifth quarter. |

*Time*—2:22½.

RACE NO. 14—SADDLE HORSE RACE.

Purse, fifty dollars. Half-mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sleepy Dick | George Nicholson | |
| Slippery Jim | William Forrester | |
| Snowball | John Scott | |
| Bill | Garcia | |

SUMMARY.

| | |
|---|---|
| Sleepy Dick | 1 |
| Snowball | 2 |
| Slippery Jim | 3 |
| Bill | 4 |

*Time*—0:56.

SATURDAY, SEPTEMBER 22, 1888.

RACE NO. 15—TROTTING.

Purse, two hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Topsy | George Smith | |
| May Queen | Charles Merritt | |
| Lena H | George Van Gorden | San Simeon. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Lena H | 1 | 2 | 1 | 1 |
| Topsy | 2 | 1 | 2 | 2 |
| May Queen | 3 | 3 | 3 | 3 |

*Time*—2:36; 2:35½; 2:37½; 2:39.

RACE No. 16—TROTTING.

Free for all. Purse, two hundred and fifty dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Jim Blaine | N. Covarrubias | |
| Jim L | J. Lenscott | |

SUMMARY.

| | | | |
|---|---|---|---|
| Jim L | 1 | 1 | 1 |
| Jim Blaine | 2 | 2 | 2 |

*Time*—2:29; 2:30; 2:28.

---

RACE No. 17—TROTTING.

2:40 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Miss Monroe | Brown & Taylor | San Luis Obispo. |
| Stone | C. Lee | San Luis Obispo. |
| Tamboline | Geo. Van Gorden | San Simeon. |

SUMMARY.

| | | | |
|---|---|---|---|
| Miss Monroe | 1 | 1 | 1 |
| Stone | 2 | 3 | 0 |
| Tamboline | 3 | 2 | 0 |

*Time*—2:41; 2:40; 2:41.

---

RACE No. 18—TROTTING.

For yearlings. Purse, twenty dollars. Half-mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Billy Nutwood | H. Sieg | San Luis Obispo. |
| Dodgers | H. Petty | San Luis Obispo. |

SUMMARY.

| | |
|---|---|
| Billy Nutwood | 1 |
| Dodgers | dis. |

*Time*—2:01.

# TRANSACTIONS

OF THE

# SEVENTEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Nevada and Placer.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| SAMUEL GRANGER | President. |
| GEORGE FLETCHER | Secretary. |
| E. M. PRESTON | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| C. R. CLARKE | Nevada City, Nevada County. |
| M. L. MARSH | Nevada City, Nevada County. |
| I. J. ROLFE | Nevada City, Nevada County. |
| A. B. DRIESBACH | Indian Springs, Nevada County. |
| C. H. MITCHELL | Grass Valley, Nevada County. |
| SAMUEL GRANGER | Grass Valley, Nevada County. |
| W. B. HAYFORD | Colfax, Placer County. |
| E. W. MASLIN | Loomis, Placer County. |

# REPORT.

GRASS VALLEY, December 31, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Seventeenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

GEORGE FLETCHER, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From contributions—Nevada City | $240 00 | |
| Grass Valley | 245 00 | |
| Premiums returned | 20 00 | |
| | | $505 00 |
| From insurance premium returned | | 100 00 |
| From Directors note | | 300 00 |
| From exhibitors and hack badges | | 166 00 |
| At Park—3,369 single admission tickets | $1,684 50 | |
| 232 half admission tickets | 58 00 | |
| Grand stand, 486 tickets at 25 cents | 121 50 | |
| | | 1,864 00 |
| At Pavilion—2,378 tickets at 25 cents | $594 50 | |
| Lumber sold | 40 23 | |
| | | 634 73 |
| Privileges sold—Bar | $875 00 | |
| Restaurant | 125 50 | |
| Ice cream and candy stand | 60 00 | |
| Percentage on pools sold | 293 10 | |
| Privilege at pavilion | 10 00 | |
| Other privileges at park | 289 96 | |
| | | 1,653 56 |
| Entrees and forfeits to races | | 1,225 00 |
| Interest received from National Trotting Association | | 9 80 |
| State appropriation | | 2,000 00 |
| Fines and penalties from horsemen | | 205 00 |
| | | $8,663 09 |

*Expenditures.*

| | | |
|---|---|---|
| Maintenance of track and buildings | $236 65 | |
| | | $236 65 |
| Park expenses—Gatekeepers and ticket sellers | $145 00 | |
| Watchmen and police | 158 00 | |
| Judges, entry clerks, and clerk of course | 135 00 | |
| Feed and bedding for stock | 247 52 | |
| Ribbons | 7 00 | |
| | | 692 52 |
| Rent | | 750 00 |
| Superintendence | | 54 00 |
| Premiums on stock exhibits | | 415 50 |
| Purses for races | | 3,615 00 |

| | | |
|---|---|---|
| Pavilion expenses—Doorkeepers and ticket sellers | $45 00 | |
| Watchmen and police | 57 50 | |
| Entry clerks | 25 00 | |
| Preparing hall for exhibits | 157 06 | |
| Gas | 22 25 | |
| Ribbons | 2 25 | |
| Superintendent | 50 00 | |
| | | $359 06 |
| Premiums on exhibits at pavilion | | 543 00 |
| General expenses—Stationery, advertising, and printing | $707 76 | |
| Dues, National Trotting Association | 56 00 | |
| Ice | 26 40 | |
| Legal services and expenses | 55 00 | |
| Office expenses, stamps, etc. | 37 90 | |
| Interest on note and floating debt | 60 21 | |
| Music | 220 00 | |
| | | 1,163 27 |
| Fines remitted National Trotting Association | | 205 00 |
| Directors note paid | | 500 00 |
| Overdraft December 31, 1887 | | 70 79 |
| Balance cash on hand | | 58 30 |
| | | $8,663 09 |

*Indebtedness.*

| | | |
|---|---|---|
| Directors note to Citizens Bank | $300 00 | |
| Other bills payable | 549 27 | |
| | $849 27 | |
| Less cash on hand | 58 30 | |
| Net debt | | $790 97 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Nick of the Woods, three years old or over | A. D. West | Grass Valley. |
| Glenbrook, one year old | A. D. West | Grass Valley. |
| MARES. | | |
| Emma Nevada, one year old | A. D. West | Grass Valley. |
| CLASS III—STALLIONS, GELDINGS, AND MARES OF ALL WORK. | | |
| Lucy, three years old or over | W. Hashagan | Auburn. |
| Billy Dick, three years old or over | Dan. C. Smith | Sheridan. |
| Dolly, three years old or over | J. R. Nickerson | Auburn. |
| Sheridan, two years old | Auguste Combe | Clipper Gap. |
| CLASS IV—ROADSTERS—STALLIONS. | | |
| Gen. Hamilton, three years old or over | A. D. West | Grass Valley. |
| Revolution, Jr., two years old | W. C. Jones | Grass Valley. |
| Bummer, two years old | G. W. Shearer | Nevada City. |
| Brunswick, two years old | J. R. Nickerson | Auburn. |
| Mike Wilkes, one year old | M. C. Hogan | North San Juan. |
| Mollie, colt under one year | J. R. Nickerson | Auburn. |
| MARES. | | |
| Nellie S, three years old or over | A. D. West | Grass Valley. |
| Beatrice, three years old or over | E. C. Morgan | Grass Valley. |
| CLASS V—DRAFT HORSES—STALLIONS, GELDINGS, OR MARES. | | |
| Napoleon, four years old or over | W. Hashagan | Auburn. |
| Dave, four years old or over | W. Hashagan | Auburn. |
| Jane, four years old or over | Richard Noell | Grass Valley. |
| Prince, four years old or over | J. H. Nile | Rough and Ready. |
| Belle, three years old | Richard Noell | Grass Valley. |
| Prince, two years old | W. Hashagan | Auburn. |
| CLASS VI—CARRIAGE HORSES. | | |
| Jennie Lind, single buggy horse | Mrs. Jas. Watt | Grass Valley. |
| Reuben, single buggy horse | Dorsey Wheeler | Grass Valley. |
| Fred, single buggy horse | Al. Morgan | Grass Valley. |
| CLASS I—THOROUGHBRED CATTLE—JERSEY AND ALDERNEY—BULLS. | | |
| Coin, three years old or over | Jas. R. Vineyard | Anthony House. |
| Major, three years old or over | Richard Noell | Grass Valley. |
| Nevada Chief, two years old | Morris M. Green | Nevada City. |
| COWS. | | |
| Katie, three years old or over | Richard Noell | Grass Valley. |
| Lucy, three years old or over | Richard Noell | Grass Valley. |
| Maud S, two years old | Richard Noell | Grass Valley. |
| Jersey Belle, two years old | Richard Noell | Grass Valley. |
| Daisy, one year old | Richard Noell | Grass Valley. |
| CLASS II—DURHAMS—BULLS. | | |
| St. Peter, two years old | John Casey | Rough and Ready. |
| COWS. | | |
| Forest Rose 2d, three years old or over | H. B. Nicholls | Grass Valley. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS III—AYRSHIRES—BULLS. | | |
| Menlo, three years old or over | H. B. Nicholls | Grass Valley. |
| Pride of Grass Valley, one year old | H. B. Nicholls | Grass Valley. |
| COWS. | | |
| Lady Scarboro, three years old or over | H. B. Nicholls | Grass Valley. |
| Endora, three years old or over | H. B. Nicholls | Grass Valley. |
| Bonnie Belle, three years old or over | H. B. Nicholls | Grass Valley. |
| Annie Laurie, two years old | H. B. Nicholls | Grass Valley. |
| Nellie Boyd, one year old | H. B. Nicholls | Grass Valley. |
| Nellie Bly, one year old | H. B. Nicholls | Grass Valley. |
| Bonnie Maid, calf | H. B. Nicholls | Grass Valley. |
| CLASS IV—HOLSTEINS—BULLS. | | |
| Tehama, three years old or over | H. B. Nicholls | Grass Valley. |
| Tickler, two years old | W. C. Jones | Grass Valley. |
| Barbara Prince, one year old | H. B. Nicholls | Grass Valley. |
| Pride of California, one year old | H. B. Nicholls | Grass Valley. |
| Rough and Ready, calf | H. B. Nicholls | Grass Valley. |
| Prince los Flores, calf | H. B. Nicholls | Grass Valley. |
| Barbara Royal, calf | H. B. Nicholls | Grass Valley. |
| Rought, calf | W. C. Jones | Grass Valley. |
| COWS. | | |
| Barbara Maid, three years old or over | H. B. Nicholls | Grass Valley. |
| Los Flores, three years old or over | H. B. Nicholls | Grass Valley. |
| Infelice, two years old | H. B. Nicholls | Grass Valley. |
| Barbara Beauty, calf | H. B. Nicholls | Grass Valley. |
| SWEEPSTAKES—BULLS. | | |
| Menlo (Ayrshire) and four cows | H. B. Nicholls | Grass Valley. |
| Tehama (Holstein) and four cows | H. B. Nicholls | Grass Valley. |
| Major (Jersey) and four cows | R. Noell | Grass Valley. |
| GRADED CATTLE—COWS. | | |
| Topsy (sixty-three sixty-fourths Jersey), three years old or over | H. B. Nicholls | Grass Valley. |
| Nevada (one half Holstein), three years old or over | H. B. Nicholls | Grass Valley. |
| Cypress (one half Ayrshire), two years old | H. B. Nicholls | Grass Valley. |
| Black Muley (one half Holstein), two years old | H. B. Nicholls | Grass Valley. |
| Verda (one half Holstein), two years old | H. B. Nicholls | Grass Valley. |
| Sprightly (one half Ayrshire), one year old | H. B. Nicholls | Grass Valley. |
| Katie (one half Holstein), one year old | H. B. Nicholls | Grass Valley. |
| Queenie (one half Holstein), one year old | H. B. Nicholls | Grass Valley. |
| Floy Douglass (one half Ayrshire), calf | H. B. Nicholls | Grass Valley. |
| Beauty (one half Holstein), calf | H. B. Nicholls | Grass Valley. |
| Mollie (one half Durham), three years old or over | W. M. Treloar | Grass Valley. |
| W. B. Mollie (one half Holstein), three years old or over | W. M. Treloar | Grass Valley. |
| Sallie (three fourths Jersey), two years old | R. Noell | Grass Valley. |
| Dinah (three fourths Jersey), one year old | R. Noell | Grass Valley. |
| Prince (seven eighths Jersey), one year old | E. D. Bridges | Nevada City. |
| Pet (three fourths Jersey), calf | R. Noell | Grass Valley. |
| CLASS I—HOGS. | | |
| Tom Bourne, boar of any age | John Montgomery | Rough and Ready. |
| Thorne, boar of any age | R. Noell | Grass Valley. |
| Emma C, breeding sow of any age | John Montgomery | Rough and Ready. |
| Jessie, breeding sow of any age | R. Noell | Grass Valley. |
| Berkshire sow and five pigs | R. Noell | Grass Valley. |
| Mollie S and family | John Montgomery | Rough and Ready. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBRED HORSES. | | | |
| Nick of the Woods, stallion | A. D. West | Grass Valley | $25 00 |
| Glenbrook, colt, one year old | A. D. West | Grass Valley | $10 00 |
| Emma Nevada, filly, one year old | A. D. West | Grass Valley | $5 00 |
| CLASS III—STALLIONS, GELDINGS, AND MARES OF ALL WORK. | | | |
| Billy Dick, stallion | Daniel Smith | Sheridan | $7 50 |
| Dolly, mare | J. R. Nickerson | Auburn | $7 50 |
| Lucy, mare | Wm. Hashagan | Auburn | $5 00 |
| Sheridan, colt, one year old | Auguste Combe | Clipper Gap | $2 50 |
| CLASS IV—ROADSTERS, STALLIONS, GELDINGS, AND MARES. | | | |
| General Hamilton, stallion | A. D. West | Grass Valley | $10 00 |
| Revolution, Jr., stallion, two years old | W. C. Jones | Grass Valley | $7 50 |
| Bummer, stallion, two years old | G. W. Shearer | Nevada City | $5 00 |
| Brunswick, stallion, two years old | J. R. Nickerson | Auburn | $5 00 |
| Mike Wilkes, colt, one year old | M. C. Hogan | North San Juan | $3 00 |
| Mollie, filly, under one year | J. R. Nickerson | Auburn | $2 50 |
| Beatrice, mare | E. C. Morgan | Grass Valley | $10 00 |
| Nellie, mare | A. D. West | Grass Valley | $7 50 |
| CLASS V—DRAFT HORSES—STALLIONS, GELDINGS, OR MARES. | | | |
| Napoleon, gray stallion | Wm. Hashagan | Auburn | $10 00 |
| Dave, gray stallion | Wm. Hashagan | Auburn | $10 00 |
| Prince, sorrel stallion | Wm. Hashagan | Auburn | $5 00 |
| Jane, gray mare | Richard Noell | Grass Valley | $10 00 |
| Belle, black mare | Richard Noell | Grass Valley | $8 00 |
| Prince, black stallion | J. H. Nile | R'h and Ready | $5 00 |
| CLASS VI—CARRIAGE HORSES. | | | |
| Jennie Lind, gray mare | Mrs. Jas. Watt | Grass Valley | $7 50 |
| Reuben, sorrel stallion | Dorsey Wheeler | Grass Valley | $5 00 |
| SWEEPSTAKES—BEST STALLION OF ANY AGE OR BREED. | | | |
| Billy Dick, black stallion | Daniel Smith | Sheridan | Diploma. |
| CLASS I—THOROUGHBRED CATTLE—JERSEYS—BULLS. | | | |
| Coin | Jas. R. Vineyard | Anthony House | $10 00 |
| Nevada Chief, two years old | Morris M. Green | Nevada City | $7 50 |
| Major, three years old | Richard Noell | Grass Valley | $7 50 |
| COWS. | | | |
| Katie | Richard Noell | Grass Valley | $7 50 |
| Lucy | Richard Noell | Grass Valley | $5 00 |
| Jersey Belle, two years old | Richard Noell | Grass Valley | $6 00 |
| Maud S, two years old | Richard Noell | Grass Valley | $4 00 |
| Daisy, one year old | Richard Noell | Grass Valley | $3 00 |
| CLASS II—DURHAMS—BULLS. | | | |
| St. Peter | John Casey | R'h and Ready | $7 50 |
| COWS. | | | |
| Forest Rose 2d | H. B. Nicholls | Grass Valley | $7 50 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—AYRSHIRES—BULLS. | | | |
| Menlo | H. B. Nicholls | Grass Valley | $10 00 |
| Pride of Grass Valley, calf, one year old | H. B. Nicholls | Grass Valley | $3 00 |
| COWS. | | | |
| Lady Scarboro | H. B. Nicholls | Grass Valley | $5 00 |
| Bonnie Belle | H. B. Nicholls | Grass Valley | $7 50 |
| Annie Laurie | H. B. Nicholls | Grass Valley | $6 00 |
| Nellie Boyd, one year old | H. B. Nicholls | Grass Valley | $3 00 |
| Nellie Bly, one year old | H. B. Nicholls | Grass Valley | Diploma. |
| Bonnie Maid, heifer calf | H. B. Nicholls | Grass Valley | Diploma. |
| CLASS IV—HOLSTEINS—BULLS. | | | |
| Tehama | H. B. Nicholls | Grass Valley | $10 00 |
| Tickler | W. C. Jones | Grass Valley | $7 50 |
| Barbara Prince, one year old | H. B. Nicholls | Grass Valley | $3 00 |
| Pride of California, one year old | H. B. Nicholls | Grass Valley | Diploma. |
| Rought, calf | W. C. Jones | Grass Valley | Diploma. |
| COWS. | | | |
| Barbara Maid | H. B. Nicholls | Grass Valley | $7 50 |
| Los Flores | H. B. Nicholls | Grass Valley | $5 00 |
| Infelice, two years old | H. B. Nicholls | Grass Valley | $6 00 |
| Barbara Beauty, calf | H. B. Nicholls | Grass Valley | Diploma. |
| SWEEPSTAKES. | | | |
| Tehama and four cows, Holsteins | H. B. Nicholls | Grass Valley | $10 00 |
| Major and four cows, Jerseys | Richard Noell | Grass Valley | $10 00 |
| GRADED CATTLE. | | | |
| Topsy (sixty-three sixty-fourths Jersey) | H. B. Nicholls | Grass Valley | $7 50 |
| Cypress (one half Ayrshire) | H. B. Nicholls | Grass Valley | $6 00 |
| Sprightly (Ayrshire) | H. B. Nicholls | Grass Valley | $5 00 |
| Floy Douglass (Ayrshire) | H. B. Nicholls | Grass Valley | $3 00 |
| Nevada (Holstein) | H. B. Nicholls | Grass Valley | $7 50 |
| Black Muley (Holstein) | H. B. Nicholls | Grass Valley | $6 00 |
| Queenie (Holstein) | H. B. Nicholls | Grass Valley | $5 00 |
| Mollie (Durham) | Wm. M. Treloar | Grass Valley | $7 50 |
| Mollie (Holstein and Durham) | Wm. M. Treloar | Grass Valley | $3 00 |
| Sallie (three fourths Jersey) | Richard Noell | Grass Valley | $6 00 |
| Dinah (three fourths Jersey) | Richard Noell | Grass Vailey | $5 00 |
| Pet (three fourths Jersey) | Richard Noell | Grass Valley | $3 00 |
| CLASS I—HOGS. | | | |
| Tom Bourne, boar | John Montgomery | R'h and Ready | $5 00 |
| Emma C, sow | John Montgomery | R'h and Ready | $4 00 |
| Thorne, boar | Richard Noell | Grass Valley | $3 00 |
| Jessie, sow | Richard Noell | Grass Valley | $2 00 |
| Bessie and family | Richard Noell | Grass Valley | $5 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Model four-stamp battery | B. Dickerman | Nevada City | Diploma. |
| Amalgamator and pulp machine | A. Tregidgo | Washington | Diploma. |
| Mitchel pan | G. G. Allan | Nevada City | Diploma. |
| Hydrant spanner | F. Eilerman | Nevada City | $2 50 |
| CLASS III. | | | |
| Reversable plow | John Ball | R'h and Ready | $2 50 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best single harness | Jas. Cairns | Nevada City | $2 50 |
| Best double harness | Jas. Cairns | Nevada City | $2 50 |
| Best gents' saddle | Jas. Cairns | Nevada City | $2 50 |
| CLASS IV. | | | |
| Bracket and whittling | Henry Aindt | Nevada City | $2 50 |
| Bracket and whittling | Alf. Fellum | Nevada City | $2 50 |
| Best set of parlor furniture | Legg & Shaw | Nevada City | $5 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best silk embroidery | Miss B. Fletcher | Grass Valley | $2 50 |
| Best cotton embroidery | Miss B. Valentine | Nevada City | $2 00 |
| Best arrasene embroidery | Mrs. A. Walrath | Nevada City | $2 50 |
| Best outline embroidery | Miss J. Brown | Nevada City | $1 50 |
| Best embroidered piano cover | Miss K. Reinhart | Grass Valley | $2 50 |
| Best embroidered piano scarf | Mrs. J. M. Hadley | Nevada City | $2 50 |
| Best embroidered table scarf | Mrs. C. H. Eddy | Nevada City | $2 50 |
| Best embroidered chair seat | Miss J. Holland | Nevada City | $2 50 |
| Best embroidered banner | Mrs. A. Walrath | Nevada City | $2 50 |
| Best embroidered picture | Miss K. Reinhart | Grass Valley | $2 50 |
| Best fine lace work | Mrs. M. J. Anguin | Nevada City | $2 00 |
| Best ribbon work | Miss B. Fletcher | Grass Valley | $2 00 |
| Best braid work | Mrs. E. Osborne | Nevada City | $2 00 |
| Best applique work | Miss C. Clark | Nevada City | $2 00 |
| Best chenille work | Mrs. F. G. Beatty | Nevada City | $2 00 |
| Handsomest crazy quilt | Mrs. W. P. Rogers | Grass Valley | $3 00 |
| Best ornamental plaque | Mrs. J. B. Shaw | Nevada City | $2 50 |
| Best toilet set | Miss M. Hook | Nevada City | $2 50 |
| Handsomest luster painting on plush | Mrs. A. B. Dibble | Grass Valley | $2 50 |
| Handsomest paper flowers | Miss J. Schwartz | Nevada City | $2 50 |
| Handsomest fire screen | Miss Jennie Brown | Nevada City | $2 50 |
| Handsomest pillow shams | Miss Belle Rolfe | Nevada City | $2 00 |
| Handsomest crochet skirts | Miss Ella Granger | Grass Valley | $2 00 |
| Handsomest sofa cushion | Miss Bess. Fletcher | Grass Valley | $1 50 |
| Handsomest lambrequins | Miss Bess. Fletcher | Grass Valley | $1 50 |
| Handsomest handkerchief box | Miss Bess. Fletcher | Grass Valley | $1 50 |
| Handsomest tidy | Mrs. R. M. Hunt | Nevada City | $1 00 |
| Handsomest collar box | Mrs. Puhlage | Nevada City | $1 00 |
| Handsomest pincushion | Mrs. J. M. Hadley | Nevada City | $1 00 |
| Best display of kensington | Miss K. Reinhart | Grass Valley | $2 50 |
| Best display of canvas work | Mrs. T. W. Carson | Grass Valley | $2 00 |
| Best display of bead work | Mrs. W. F. Engle-bright | Nevada City | $1 50 |
| Best display of hair work | Miss Amelia Hook | Nevada City | $1 00 |
| Best display of ladies' underwear | Mrs. A. Merritt | Nevada City | $3 00 |
| Best display of infants' clothing | Mrs. J. M. Walling | Nevada City | $3 00 |
| Best ottoman cover | Mrs. N. P. Brown | Nevada City | $1 50 |
| Best child's afghan | Mrs. E. Monro | Nevada City | $2 00 |
| Best hearth rug | Mrs. J. Hackley | Nevada City | $1 50 |
| Best rag door mat | Mrs. A. Merritt | Nevada City | $1 50 |
| Best crochet shawl | Mrs. W. S. Stoddard | Grass Valley | $2 50 |
| Best knit bedspread | Mrs. J. B. Johnson | Nevada City | $2 00 |
| Best patchwork quilt | Mrs. E. Aitken | Nevada City | $1 50 |
| Best knit undervest | Miss Ella Granger | Grass Valley | $1 00 |
| Best pair knit silk stockings | Mrs. F. G. Beatty | Nevada City | $1 00 |
| Best Mexican work | Miss Belle Rolfe | Nevada City | $2 50 |
| Largest meritorious display of fancy work by one person | Miss Bess. Fletcher | Grass Valley | $5 00 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II. | | | |
| Best display of millinery | Mrs. Lester & Crawford | Nevada City | $2 50 |
| Best calico dress | May Evans | Nevada City | $3 00 |
| Second best | Alice Caldwell | Nevada City | $2 00 |
| CLASS III—JUVENILE. | | | |
| Best silk embroidery | Miss L. McLean | Grass Valley | $2 00 |
| Best cotton embroidery | Miss L. McLean | Grass Valley | $1 50 |
| Best patchwork quilt | Miss J. McRandall | Nevada City | $1 00 |
| Best crochet work | Miss Leila Murchie | Nevada City | $1 00 |
| Best silk quilt | Miss A. Merritt | Nevada City | $2 00 |
| CLASS V. | | | |
| Best exhibit of furniture | Legg & Shaw | Nevada City | Diploma. |
| Best exhibit of dry goods | Mrs. Lester & Crawford | Nevada City | Diploma. |
| Best fancy chair | Miss L. Maltman | Nevada City | $2 50 |
| CLASS VI. | | | |
| Best display of California leaf and manufactured tobacco. | David Bryan | Grass Valley | Dip., $2 50 |
| CLASS VII. | | | |
| Case of butterflies | Miss Minnie Lester | Nevada City | $2 50 |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best half bushel of wheat | A. Matteson | Grass Valley | $2 50 |
| Second best | Frank Morrell | R'h and Ready | $1 50 |
| Best half bushel of barley | Frank Morrell | R'h and Ready | $2 50 |
| Second best | J. & F. Montgomery | R'h and Ready | $1 50 |
| Best half bushel of rye | Dorsey Wheeler | Grass Valley | $2 50 |
| Second best | Lewis Wheeler | Grass Valley | $1 50 |
| Best half bushel of corn | Frank Morrell | R'h and Ready | $2 50 |
| Best exhibit and greatest variety | Frank Morrell | R'h and Ready | $5 00 |
| CLASS II. | | | |
| Best exhibit of Indian corn on stalk | Frank Morrell | R'h and Ready | $2 50 |
| Second best | J. & F. Montgomery | R'h and Ready | $1 50 |
| Best exhibit of sweet corn on stalk | Mark Thornton | Grass Valley | $2 00 |
| Best exhibit of potatoes | Mark Thornton | Grass Valley | $2 50 |
| Second best | A. Matteson | Grass Valley | $2 00 |
| Best variety of potatoes (one peck) | Lewis Wheeler | Grass Valley | $2 50 |
| Best exhibit of onions | Mark Thornton | Grass Valley | $2 50 |
| Second best | A. Matteson | Grass Valley | $1 00 |
| Best exhibit of sweet potatoes | John Black | R'h and Ready | $2 00 |
| Best exhibit of tomatoes | J. R. Nickerson | Auburn | $2 00 |
| Second best exhibit of tomatoes | J. H. Campbell | Grass Valley | $1 00 |
| Best exhibit of cabbages | J. R. Nickerson | Auburn | $1 00 |
| Second best exhibit of cabbages | Mark Thornton | Grass Valley | $0 50 |
| Best exhibit of watermelons | Edw. Alpers | Nevada City | $1 00 |
| Best exhibit of muskmelons | J. R. Nickerson | Auburn | $1 00 |
| Second best exhibit of muskmelons | F. Morrell | R'h and Ready | $0 50 |
| Best exhibit of parsnips | M. Thornton | Grass Valley | $1 00 |
| Second best exhibit of parsnips | J. L. Holland | Nevada City | $0 50 |
| Best exhibit of carrots, stock | Robert Osborne | Nevada City | $1 00 |
| Second best exhibit of carrots, stock | John Cable | Nevada City | $0 50 |
| Best exhibit of carrots, table | M. Thornton | Grass Valley | $1 00 |
| Second best exhibit of carrots, table | John Bost | Nevada City | $0 50 |
| Best exhibit of cucumbers | David Bryan | Grass Valley | $1 00 |
| Second best exhibit of cucumbers | Edw. Alpers | Nevada City | $0 50 |
| Best exhibit of beets, stock | John Cable | Nevada City | $1 00 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best exhibit of beets, stock | John Bost | Nevada City | $0 50 |
| Best exhibit of beets, table | M. Thornton | Grass Valley | $1 00 |
| Second best exhibit of beets, table | F. Morrell | R'h and Ready | $0 50 |
| Best exhibit of dried beans | D. Bryan | Grass Valley | $1 00 |
| Best quality and greatest variety of garden vegetables | M. Thornton | Grass Valley | $10 00 |
| Second best quality and greatest variety of garden vegetables | J. R. Nickerson | Auburn | $5 00 |
| Largest squash | Lafayette White | Nevada City | $2 00 |
| Second largest squash | Mrs. K. Single | R'h and Ready | $2 00 |
| Third largest squash | M. Thornton | Grass Valley | $1 00 |
| CLASS III. | | | |
| Best display of ornamental grasses | Mrs. E. D. Bridges | Nevada City | $1 50 |
| Handsomest bouquet of cut flowers | W. C. T. U. | Nevada City | $1 50 |
| Second handsomest bouquet of cut flowers | Mrs. C. C. Weisenberger | Nevada City | $1 50 |
| Best display of cut flowers | Mrs. C. Barker | Grass Valley | $1 50 |
| Best display of cultured grasses | H. B. Nicholls | Grass Valley | $10 00 |
| Second best display of cultured grasses | J. R. Nickerson | Auburn | $5 00 |
| CLASS IV. | | | |
| Best ten pounds of roll butter | F. Morrell | R'h and Ready | $5 00 |
| CLASS V. | | | |
| Best two loaves of wheat bread | Gertrude Hampton (nine years). | Nevada City | $3 00 |
| Second best two loaves of wheat bread | Mrs. V. S. Bradley | Nevada City | $2 00 |
| Best biscuits | Mrs. V. S. Bradley | Nevada City | $2 00 |
| Best doughnuts | Mrs. V. S. Bradley | Nevada City | $1 50 |
| Best salt-rising bread | Mrs. L. M. Caldwell | Nevada City | $1 00 |
| Best graham bread | Mrs. V. S. Bradley | Nevada City | $1 00 |
| Best display and greatest variety of domestic bread | Mrs. V. S. Bradley | Nevada City | $3 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best display of apples | S. N. Stranahan | Nevada City | $10 00 |
| Second best display of apples | Mrs. E. D. Bridges | Nevada City | $5 00 |
| Third best display of apples | N. C. Gillespie | Nevada City | Diploma. |
| Best display of pears | C. R. Hill | Grass Valley | $10 00 |
| Second best display of pears | W. B. Stuart | Grass Valley | $5 00 |
| Third best display of pears | J. L. Holland | Nevada City | Diploma. |
| Best display of peaches | J. R. Balch | Nevada City | $10 00 |
| Second best display of peaches | J. R. Nickerson | Auburn | $5 00 |
| Best display of plums | J. M. Hales | Grass Valley | $10 00 |
| Second best display of plums | Mrs. W. Arnhart | Nevada City | $5 00 |
| Best display of nectarines | Mrs. E. D. Bridges | Nevada City | $5 00 |
| Second best display of nectarines | A. A. Valentine | Nevada City | $3 00 |
| Best display of plums | J. R. Nickerson | Auburn | $6 00 |
| Second best display of plums | J. M. Hales | Grass Valley | $5 00 |
| Best display of figs | J. R. Balch | R'h and Ready | $5 00 |
| Second best display of figs | J. H. Nile | R'h and Ready | $3 00 |
| Best display of table grapes | J. H. Nile | R'h and Ready | $15 00 |
| Second best display of table grapes | John Cable | Nevada City | $3 00 |
| Best display of wine grapes | J. H. Nile | R'h and Ready | $15 00 |
| Best display of blackberries | Mrs. W. Arnhart | Nevada City | $3 00 |

SIXTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II. | | | |
| Best ten pounds of dried apples | S. N. Stranahan | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried apples | Mrs. E. D. Bridges | Nevada City | $2 00 |
| Best ten pounds of dried pears | S. N. Stranahan | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried pears | Mrs. E. D. Bridges | Nevada City | $2 00 |
| Best ten pounds of dried peaches | Mrs. F. G. Beatty | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried peaches | S. N. Stranahan | Nevada City | $2 00 |
| Best ten pounds of dried plums | S. N. Stranahan | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried plums | Mrs. E. D. Bridges | Nevada City | $2 00 |
| Best ten pounds of dried nectarines | Mrs. E. D. Bridges | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried nectarines | S. N. Stranahan | Nevada City | $2 00 |
| Best ten pounds of dried figs | Mrs. E. D. Bridges | Nevada City | Dip.,$3 00 |
| Best ten pounds of dried prunes | S. N. Stranahan | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried prunes | Mrs. E. D. Bridges | Nevada City | $2 00 |
| Best ten pounds of dried blackberries | Mrs. E. D. Bridges | Nevada City | Dip.,$3 00 |
| Second best ten pounds of dried blackberries | S. N. Stranahan | Nevada City | $2 00 |
| Best display of dried fruits | S. N. Stranahan | Nevada City | $10 00 |
| Best display of raisins | S. N. Stranahan | Nevada City | $10 00 |
| CLASS III. | | | |
| Best exhibit of English walnuts | Mrs. E. D. Bridges | Nevada City | $7 50 |
| Best exhibit of softshell almonds | F. Morrell | R'h and Ready | $2 50 |
| Best exhibit of chestnuts | Mrs. E. D. Bridges | Nevada City | $2 50 |
| Best exhibit of California walnuts | D. I. W. Hays, Jr. | Grass Valley | $1 50 |
| CLASS IV. | | | |
| Best display of preserves | Mrs. C. Barker | Grass Valley | Dip.,$3 00 |
| Best display of pickles | Mrs. F. G. Beatty | Nevada City | Dip.,$3 00 |
| Best display of jellies | Mrs. Geo. F. Jacobs | Nevada City | Dip.,$3 00 |
| Best display of hermetically sealed fruits | Mrs. C. Barker | Grass Valley | Dip.,$5 00 |
| CLASS V. | | | |
| Best half dozen of claret wine | A. Isoard | Nevada City | Dip.,$3 00 |
| Best half dozen of port wine | A. Isoard | Nevada City | Dip.,$5 00 |
| Best half dozen of sherry wine | I. J. Rolfe | Nevada City | Dip.,$5 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—PAINTINGS. | | | |
| Best oil painting—still life | W. J. Straight | Grass Valley | $10 00 |
| Second best oil painting—landscape | J. H. Bryant | Nevada City | $5 00 |
| Best water color painting | Henry Hartung | Nevada City | $5 00 |
| Best water color on bolting cloth | Mrs. E. M. Preston | Nevada City | $2 50 |
| Best collection of oil paintings | Mrs. J. H. Smitham | Grass Valley | $5 00 |
| CLASS II. | | | |
| Best pastel | Miss Luvia Ott | Nevada City | $5 00 |
| Best crayon—one color | Miss M. Bradley | Nevada City | $2 00 |
| Best pencil drawing | Miss Cora Sutton | Nevada City | $2 00 |
| Best india ink drawing | A. Ertz | Nevada City | $2 00 |
| SPECIAL. | | | |
| Oil painting—paper of roses | Mrs. J. H. Smitham | Grass Valley | Diploma. |
| Oil painting on bolting cloth | Mrs. J. H. Smitham | Grass Valley | Diploma. |
| Painting on porcelain | Mrs. J. B. Shaw | Nevada City | Diploma. |
| Oil painting—Pharaoh's horses | Mrs. J. H. Smitham | Grass Valley | Diploma. |
| Crayon drawing | Miss Anna Von Schmittberg | Nevada City | Diploma. |

# SPEED PROGRAMME.

## TUESDAY, AUGUST 28, 1888.

### Race No. 1—Running.

Open to all. Twenty-five dollars entrance; ten dollars forfeit; one hundred and fifty dollars added; second horse, fifty dollars; third, twenty-five dollars. Three-quarter mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Peregrine, s. c., by Joe Hooker; dam, Irene Harding | W. M. Murry | Sacramento. |
| Blue Bonnet, ch. m., by Joe Hooker; dam, Kate Carson | G. W. Trahern | Sacramento. |
| Avondale, b. m., by Marmaduke; dam, Pirouette | A. Y. Stevenson | Ione. |
| Leap Year, b. m., by Norfolk; dam, Lady Jane | L. A. Blasingame | Fresno. |
| Jack Brady, b. s., by Wildidle; dam, Sour Grapes | W. L. Davis | Stockton. |

SUMMARY.

| | | |
|---|---|---|
| Blue Bonnet | 1 | 1 |
| Jack Brady | 2 | 2 |
| Avondale | 3 | 3 |

*Time*—1:17; 1:16½.

### Race No. 2—Trotting.

For named horses. Purse, three hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Beatrice, b. m., by Sterling; dam, unknown | C. F. Taylor | Nevada City. |
| General Hamilton, b. s., by Tilton Almont; dam, Cricket | A. D. West | Grass Valley. |
| Bluebell, blk. m., by Prompter; dam, Belle | Stanley Eddy | Nevada City. |
| Alpha, br. s., by Privateer; dam, Fawn | W. Gardner | Sacramento. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Beatrice | 2 | 1 | 3 | 2 | 1 | 1 |
| Alpha | 3 | 2 | 1 | 1 | 3 | 2 |
| Bluebell | 1 | 3 | 2 | 3 | 2 | 3 |

*Time*—2:41½; 2:38½; 2:40½; 2:39½; 2:40; 2:39.

WEDNESDAY, AUGUST 29, 1888.

RACE No. 4—RUNNING.

Open to all. Fifty dollars entrance; twenty-five dollars forfeit; three hundred dollars added. One mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dave Douglas, b. g., by Leinster; dam, Lily Simpson | G. W. Trahern | Sacramento. |
| Hermes, b. s., by Bayswater; dam, Herclaide | L. A. Blasingame | Fresno. |
| Jack Brady, b. s., by Wildidle; dam, Sour Grapes | W. L. Davis | Stockton. |
| Sir Thad, b. g., by Thad Stevens; dam, Lady Amanda | Pat. Riley | Grass Valley. |
| Index, b. g., by Thad Stevens; dam, Gypsy | William Boots | Milpitas. |

SUMMARY.

| | | |
|---|---|---|
| Dave Douglas | 1 | 1 |
| Index | 2 | 2 |
| Hermes | 3 | 3 |

*Time*—1:43½; 1:43¾.

RACE No. 5—RUNNING.

For two-year olds. Open to all. Twenty-five dollars entrance; ten dollars forfeit. Five eighths of a mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bessie Shannon, b. f., by Shannon; dam, Betty Bishop | John Reavey & Co. | San Francisco. |
| Almont, b. c., by Three Cheers; dam, Question | W. M. Murry | Sacramento. |
| G W, b. g., by Kyrle Daly; dam, by Thad Stevens | G. W. Trahern | Sacramento. |

Walkover for G W.

THURSDAY, AUGUST 30, 1888.

RACE No. 7—RUNNING.

For district horses. Twenty-five dollars entrance; ten dollars forfeit; one hundred dollars added. One half mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gray Guest, g. g., by Geo. Miller; dam, by Belmont | Wm. La Due | Roseville. |
| Sir Thad, b. g., by Thad Stevens; dam, Lady Amanda | Pat. Riley | Grass Valley. |
| Nick of the Woods, s. s., by Leinster; dam, Lillie Sophie | A. D. West | Grass Valley. |
| Billy the Kid, b. g., by Leinster; dam, Lily Simpson | A. D. West | Grass Valley. |

SUMMARY.

| | | |
|---|---|---|
| Sir Thad | 1 | 1 |
| Gray Guest | 2 | 2 |

*Time*—0:50½; 0:51.

SPECIAL TROTTING.

Purse, one hundred and twenty-five dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Fred, s. g., by Nelson; dam, unknown | A. Morgan | Grass Valley. |
| Maggie O, b. m., by Doncaster; dam, by McCracken | C. R. Clarke | Nevada City. |
| Sidney J, b. g., by Revolution; dam, by McCracken | G. F. Jacobs | Nevada City. |
| Nellie S, b. m., by Kilrush; dam, by Belmont | A. D. West | Grass Valley. |

SUMMARY.

| | |
|---|---|
| Sidney J | 1 |
| Nellie S | dis. |
| Fred | dis. |

*Time*—2:52.

SPECIAL PACING.

Purse, one hundred and twenty dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Solitaire, b. m., by Singleton; dam, unknown | C. H. Burton | Sacramento. |
| Little Doc, b. g. | T. Seguin | Ione. |
| Wing Wing, b. m., by Privateer; dam, Lady Lightfoot | Bud Harlan | Winters. |

SUMMARY.

| | | | |
|---|---|---|---|
| Little Doc | 1 | 1 | 1 |
| Solitaire | 2 | 2 | 2 |
| Wing Wing | 3 | 3 | dis. |

*Time*—2:41; 2:37½; 2:36.

FRIDAY, AUGUST 31, 1888.

RACE NO. 10—RUNNING.

Open to all. Fifty dollars entrance; twenty-five dollars forfeit. Two hundred and fifty dollars added. One and one half miles.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Haidee, b. m., by King Alfonso; dam, Inverness | G. W. Trahern | Sacramento. |
| Menlo, br. g., by Guy Prince; dam, Hattie Hawthorne | E. Flitner | Ione. |
| Susie S, s. m., by Marmaduke; dam, Pirouette | A. Y. Stephenson | Boise City. |
| Leap Year, b. m., by Norfolk; dam, Lady Jane | L. A. Blasingame | Fresno. |
| Index, b. g., by Thad Stevens; dam, Gypsy | Wm. Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Haidee | 1 |
| Index | 2 |
| Susie S | 3 |

*Time*—2:39.

RACE No. 11—RUNNING.

Open to all. Twenty-five dollars entrance; ten dollars forfeit. One hundred and fifty dollars added. Five eighths mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Peregrine, s. c., by Joe Hooker; dam, Irene Harding | W. M. Murry | Sacramento. |
| J M R, s. s., by imp. Kelpie; dam, by Joe Daniels | Jas. Woodburn | Sacramento. |
| Blue Bonnet, ch. m., by Joe Hooker; dam, Kate Carson | G. W. Trahern | Sacramento. |
| Minnie R, by Scamperdown; dam, Sally Blair | E. Flitner | Ione. |
| Pickpocket, c. h., by Joe Daniels; dam, by Specter | Robt. Monroe | Oakdale. |
| Painkiller, b. s., by Joe Hooker; dam, Betsey Maguire | H. E. Burton | Ione. |
| Minnie B, b. m., by Leinster; dam, unknown | H. E. Burton | Ione. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Painkiller | 1 | 1 | | | |
| Blue Bonnet | 2 | 2 | | | |

*Time*—1:03½; 1:03¼.

SPECIAL TROTTING RACE.

Purse, two hundred dollars. No entrance. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gen. Hamilton, b. s., by Tilton Almont; dam, Cricket | A. D. West | Grass Valley. |
| Pasha, b. s., by Echo; dam, by Belmont | C. F. Taylor | Nevada City. |
| Bedford, blk. g., by Altamont; dam, unknown | S. A. Eddy | Nevada City. |
| Alpha, br. s., by Privateer; dam, Fawn | W. Gardner | Sacramento. |

SUMMARY.

| | | | | | | |
|---|---|---|---|---|---|---|
| Pasha | 1 | 2 | 2 | 1 | 1 | |
| Bedford | 2 | 1 | 1 | 2 | 2 | |
| Alpha | 3 | 3 | dr. | | | |

*Time*—2:37½; 2:35; 2:33½; 2:33½; 2:34½.

SPECIAL TROTTING RACE.

Purse, one hundred and twenty-five dollars. No entrance. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Senator Bones, b. g., by Patchen; dam, by Belmont | Dan. Morgan | Grass Valley. |
| Geo. Washington, b. g., by Nephew; dam, Gilroy Belle | R. C. Sargent | Sacramento. |
| Dandy Jim, b. g., by unknown | W. Gardner | Sacramento. |
| Lady Washington, b. m., by Nephew; dam, by State of Maine | W. Ober | Sacramento. |
| Puzzle, s. g., by Kilrush; dam, by Belmont | W. La Due | Roseville. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Dandy Jim | 2 | 1 | 1 | 1 |
| Lady Washington | 1 | 3 | 2 | 2 |
| Senator Bones | 5 | 2 | 3 | 3 |
| Geo. Washington | 3 | 5 | 5 | 5 |
| Puzzle | 4 | 4 | 4 | 4 |

*Time*—2:50½; 2:52; 2:54; 2:55.

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LADIES' TOURNAMENT.

Purse, thirty-five dollars. First prize, twenty dollars; second prize, ten dollars; third prize, five dollars.

| Name. | P. O. Address. |
|---|---|
| Miss Flora Wheeler | Nevada City. |
| Mrs. M. L. Breed | Nevada City. |
| Miss Mary Miller | Grass Valley. |

SUMMARY.

| | |
|---|---|
| Miss Mary Miller | First Prize. |
| Miss Flora Wheeler | Second Prize |
| Mrs. M. L. Breed | Third Prize |

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## SATURDAY, SEPTEMBER 1, 1888.

SADDLE RACE.

Purse, twenty-five dollars. No entrance. One half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Flora B, b. m. | B. A. Penhall | Grass Valley. |
| Dolly G, b. m. | A. J. Graham | Nevada City. |

SUMMARY.

| | | | |
|---|---|---|---|
| Flora B | 1 | 2 | 1 |
| Dolly G | 2 | 1 | 2 |

---

RACE NO. 14—RUNNING.

District horses. Twenty-five dollars entrance; ten dollars forfeit; one hundred dollars added. Five eighths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sir Thad, b. g., by Thad Stevens; dam, Lady Amanda | Pat. Riley | Grass Valley. |
| Nick of the Woods, s. s., by Leinster; dam, Lillie Sophie | John Irving | Grass Valley. |
| Gray Guest, g. g., by Gen. Miller; dam, by Belmont | William La Due | Roseville. |

SUMMARY.

| | |
|---|---|
| Sir Thad | 1 |
| Gray Guest | 2 |

*Time*—1:06½.

### Race No. 15—Running.

Open to all. Fifty dollars entrance; twenty-five dollars forfeit; three hundred dollars added. One mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dave Douglas, b. g., by Leinster; dam, Lily Simpson | G. W. Trahern | Sacramento. |
| Susie S, s. m., by Marmaduke; dam, Pirouette | A. Y. Stevenson | Boise City. |
| Jack Brady, b. s., by Wildidle; dam, Sour Grapes | W. S. Davis | Stockton. |
| Sir Thad, b. g., by Thad Stevens; dam, Lady Amanda | Pat. Riley | Grass Valley. |
| Index, b. g., by Thad Stevens; dam, Gypsy | William Boots | Milpitas. |
| Hermes, b. g., by Bayswater; dam, Herclaide | L. A. Blasingame | Fresno. |

SUMMARY.

| | | |
|---|---|---|
| Dave Douglas | 3 | 1 |
| Susie S | 1 | 2 |
| Hermes | 2 | * |

*Time*—1:44; 1:45.

* Disqualified for foul riding.

### Race No. 16—Trotting.

2:27 Class. Open to all. Purse, five hundred dollars. One mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Barbaro, g. s., by Len Rose; dam, Barbara | Owen Bros. | Fresno. |
| Emma Temple, b. m., by Jackson Temple; dam, by Emigrant | H. H. Helman | Fresno. |
| Victor, br. s., by Echo; dam, by Woodburn | G. A. Doherty | Crescent Mills. |

SUMMARY.

| | | | |
|---|---|---|---|
| Victor | 2 | 1 | |
| Emma Temple | 1 | dis. | |
| Barbaro | 3 | dis. | |

*Time*—2:28¾; 2:25.

### Special Trotting and Pacing Race.

Purse, one hundred and twenty dollars, without entrance. Little Doc and Johnny Hayward to cart. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bluebell, blk. m., by Prompter; dam, Belle | S. A. Eddy | Nevada City. |
| Solitaire, blk. m., by Singleton; dam, unknown | C. H. Burton | Sacramento. |
| Little Doc, b. g.; pedigree unknown | F. Seguin | Ione. |
| Johnny Hayward, g. g., by Poscora; dam by G. Messenger | M. Hugh | Fresno. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Bluebell | 1 | 1 | 4 | 1 |
| Little Doc | 4 | 4 | 1 | 3 |
| Johnny Hayward | 3 | 3 | 2 | 2 |
| Solitaire | 2 | 2 | 3 | 4 |

*Time*—2:32; 2:39; 2:34; 2:39.

# TRANSACTIONS

OF THE

# EIGHTEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Inyo, Mono, and Alpine.

50 20

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| A. R. CONKLIN | President. |
| C. MULHOLLAND | Secretary. |
| O. I. MAIRS | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| A. R. CONKLIN | Independence. |
| NATHAN RHINE | Independence. |
| W. S. ENOS | Independence. |
| JOHN SHEPHERD | Independence. |
| JOHN S. GORMAN | Independence. |
| HARVEY BOONE | Bodie. |
| WM. WALKER | Olancha. |
| W. K. MILLER | Lone Pine. |

# REPORT.

NOVEMBER 26, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Eighteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

C. MULHOLLAND, Secretary.

## RECEIPTS AND EXPENDITURES.

| 1888. | *Receipts.* | | |
|---|---|---|---|
| September 10 | Sale of pool privileges and other privileges | $60 50 | |
| October 22 | Gate receipts | 120 50 | |
| | Season tickets | 117 50 | |
| | Race entries | 290 00 | |
| | Subscriptions | 110 00 | |
| | Subscriptions | 2,767 61 | |
| | | | $3,466 11 |

| 1888. | *Expenditures.* | | |
|---|---|---|---|
| | Premiums on horses of all kinds | $272 50 | |
| | Premiums on jacks | 25 00 | |
| | Premiums on mules | 20 00 | |
| | Premiums on cows and calves | 55 00 | |
| | Premiums on goats | 20 00 | |
| | Premiums on hogs | 10 00 | |
| | Premiums on poultry | 12 50 | |
| | Premiums on farm products | 86 00 | |
| | Premiums on farm products | 122 00 | |
| | Premiums on honey and apiary display | 15 00 | |
| | Premiums on bread and cake | 4 00 | |
| | Premiums on fruit of all kinds | 67 00 | |
| | Premiums on wine | 10 00 | |
| | Premiums on fine arts | 37 50 | |
| | Premiums on needlework | 45 50 | |
| | Premiums on ores and minerals | 32 00 | |
| | Premiums on special exhibits | 6 00 | |
| | Racing purses | 949 00 | |
| | Ladies tournament | 100 00 | |
| | Advertising and printing | 149 75 | |
| | Salary of Secretary | 150 00 | |
| | Gatekeepers | 30 00 | |
| | Entry clerks | 35 00 | |
| | Superintendent of pavilion and assistant | 33 00 | |
| | Music | 200 00 | |
| | Lumber | 121 21 | |
| | Blacksmith work | 10 75 | |
| | Carpenter work | 54 00 | |
| | Labor | 119 50 | |
| | Painting pavilion | 10 00 | |
| | Water pipe and plumbing | 51 00 | |
| | Building supplies and sundries | 412 90 | |
| | | | $3,466 11 |

# REPORT.

INDEPENDENCE, INYO COUNTY, November —, 1888.

EDWIN F. SMITH, *Esq., Secretary State Agricultural Association, Sacramento, California:*

DEAR SIR: The second annual fair of Agricultural District No. 18, was held at Independence, beginning September seventeenth, and continued till Saturday, September twenty-second, inclusive.

The exhibits of farm products, fruit, and live stock, particularly horses, showed a very gratifying improvement in quantity and quality over the exhibits made the preceding year. This was due to the greatly increased interest taken this year as compared with the year before. Not only was the interest greater in the vicinity where the fair was held, but it was much more widely extended. The people of the other counties included with Inyo in the district, were much better represented at the fair this year than last. There was also a good representation of people and products from the western portion of the State of Nevada.

At the pavilion accommodation for display of all kinds of farm products, fruits, needlework, minerals, marble, and other articles, was increased at least fifty per cent over the accommodation needed last year, and every inch of space was needed. Our pavilion is a substantial structure, sixty feet long by forty feet wide, and is provided with shelves and tables so as to afford as much space as possible for the display of articles. The building stands in the center of a five-acre park; this is inclosed with a fence seven feet high. The park is well supplied with water, and last spring was planted with shade trees. The building and ground belongs to the association. It is already very evident that the annual fairs of the association will be of great value in educating the people in matters pertaining to farming, fruit production, and stock raising. More interest is taken so far in raising horses than any other kinds of live stock. The country east of the Sierra Nevada Mountains appears to be peculiarly well suited to the horse. The atmosphere is free from fogs and damp; the wild grasses are exceedingly nutritious; springs and streams of pure water abound; there is enough elevation to make the atmosphere bracing and healthful at all seasons, and these are evidently the conditions most favorable to the production of good horses. The horses in this region have remarkable endurance, and do an amount of work that would speedily kill horses raised in less favorable regions. It is very rare to see a horse here having any kind of disease, or even blemish. Horses of twenty years old and upward are quite plentiful, that do not show the least failure of action and endurance. There is not the least extravagance in believing that the region included in the Eighteenth Agricultural District will, before many years, produce running and trotting horses of the very first class. Already we have buggy and carriage horses, saddle horses, and horses of all work that we do not fear to put in competition with any raised elsewhere.

A good deal of attention is given to raising mules. Several first class jacks have been brought into the country recently, and many farmers are

extending the production of mules. The horses and mules of Owens Valley command a premium in the Los Angeles market.

During the past year a good deal has been done in Owens Valley in extending orchards. It is demonstrated that this valley is particularly well suited to apples, pears, peaches, quinces, apricots, nectarines, and prunes. These fruits attain here such size, beauty of color, and delicacy of flavor as is rarely equaled elsewhere.

Experiments have been made that establish the fact that this is one of the best regions on the Pacific Coast for the production of raisins. Wine is produced of such fine flavor and bouquet that wine makers at Los Angeles have bought and taken there quantities of it to mix with their own wines, that were deficient in these qualities. It is now evident that Owens Valley is destined to become a populous and rich region through its suitability to the production of the articles above enumerated. The valley contains three hundred thousand acres of land suitable to farming and fruit raising.

Not one tenth of the land is yet under thorough cultivation, and only a beginning has been made in planting orchards and vineyards. Cereals of all kinds yield good crops, and are of excellent quality. It is the best watered region in California. Streams flow down from the Sierra Mountains at short distances apart, the entire length of the valley. These all abound in trout. Springs of pure water are found all over the valley; some of these flow large streams; one, a few miles north of Independence, has a flow of not less than one thousand inches of water. Owens River, a large and swift flowing stream, runs the entire length of the valley from north to south, and discharges into Owens Lake. This river alone would supply an abundance of water to irrigate the whole valley. Several ditches have already been made that take water from the river; most of these are in the neighborhood of the town of Bishop Creek, near the north end of the valley. Near Independence, the county seat of Inyo, a canal is now in course of construction that will irrigate about thirty thousand acres of land. Most of this tract will be devoted to fruit and raisin production.

Locators of land are now at work preparing ground for planting next spring. Parallel with the canal just described, another was finished on the other side of the river during the summer just past. This will irrigate about nine thousand acres of land. Settlers are now at work building houses and getting land ready for planting.

No other part of California offers such opportunities for men of small capital to get homes. Land that will produce the best of fruit, and excellent crops of all other products, can be bought for $20 to $25 per acre; this includes perpetual water right. The climate is among the best in the world. Farm work is never delayed for an hour by excessive heat in the warmest summers. There is rarely a time when plowing may not be done any winter. The mountains afford an abundance of excellent fuel.

The mining interests of the district are extensive and valuable. One mine, the Union, near Keeler, the present terminus of the Carson and Colorado Railroad, has already produced over thirteen millions of dollars. Cerro Gordo, Darwin, Lookout, Panamint, Lee, Wild Rose, Coso, these are all mining camps in the south end of Inyo County. These camps, and others in the north end of the county, and all of western Nevada make a first class market for all kinds of fruit, hay, grain, butter, eggs, beef, bacon, and all other farm products. The home supply is not equal to the demand, consequently farmers get better prices for their produce than rule anywhere else in California. At the date of this report butter sells for 70 cents a roll; eggs, 40 cents a dozen; chickens, $6 a dozen; potatoes, $1 50 per hundred pounds; oats, 2 cents a pound; barley, 1¾ cents a pound; corn, 1¾ cents a

pound. All other products in like proportion. There has been much talk during the summer of the extension of the Carson and Colorado Railroad from Keeler to Mojave, a distance of about one hundred and twenty miles. This extension will put Owens Valley in communication with Los Angeles. A large influx of population and wealth will be sure to follow. The annual address was delivered during the fair by the President of the association, A. R. Conklin, Esq. He said:

"This paradise is located in the center of a valley which is almost an empire in itself, whose productiveness of soil is unsurpassed by any similar scope of country on the known globe, whose salubrious climate is not equaled, let alone being excelled, whose waters come down to us from the everlasting snows, all contributing to make this a grand country, and one whose future cannot be imagined, much less depicted, by the most fertile brain. You have but to apply the magic wand of industry to your soil and from it will spring forth the harvest of golden grain and the luxuriant and nutritious grasses. Let the brawn and muscle of the miner but tap the rock-ribbed sides of your mountains, and from them will come forth such riches as will pale the Munchausen tales of Aladdin's cave. This is a glorious heritage which has been bequeathed to you people, and see to it that neither petty jealousies nor paltry spite shall cripple you in its developments; neither shall a want of enterprise and progression retard that onward march to greatness, wealth, and happiness which will surely be the reward of this people if they are true to their interest and faithful to themselves. To you and into your hands have been confided this noble charge, and unto your keeping has been consigned the guardianship of this great treasury. See to it that as faithful stewards you will be enabled to render a good account of your trust when you shall be called upon to hand it over to those who are to come after you. Of one thing you may rest assured, that the divine requirement of accountability will be exacted of this people—'That unto whom much is given much will be required.' Then let us all stand united in the one great aim and object, that of the development of the country and the enhancement of the happiness and prosperity of the whole people, irrespective of sections or local interests.

"I regret that I have not the statistical information relating to the counties of Alpine and Mono, which would enable me to make to you an elaborate report regarding their resources, their development, and their advancement during the current year. But we know that the rough and rugged mountains of Alpine, interlaced by the fertile valleys, which set up into her sides, are rich and productive; while her grazing advantages are not excelled by any. That Mono has, and we trust in the near future, will again bequeath to the world, those vast riches of metals, which, in the past, has made her such world renown as a mineral-producing region.

"The wealth of Inyo County, as shown by the last assessment over former years, has been of steady and healthful growth. Her population has greatly increased. This gradual but steady acceleration has been the result of her merits, and goes to show that it has come to stay. No spasmodic additions have been made to her people; but it has come as the legitimate results of the purpose to seek and build up good and prosperous homes, where health may be found, and where wealth, in the near future, as the end of honest toil, will abound. Her wealth has not, neither is it, the outgrowth of inflation, or any result of excitement, or the greed of avariciousness. Within her fertile vales there are over three hundred thousand acres of arable lands. Of these, one hundred and fifty thousand one hundred and forty-nine acres, valued at the sum of $416,429, are owned, or under cultivation. Upon this vast domain there has been

erected improvements of the value of $228,315. Our town lots are of the value of $31,162, and the improvements thereon reach the value of $90,841. The value of our mining claims, with the improvements, are estimated at $56,378. Of their productions I am unable to form any estimate, but it is safe to say that the mineral output from this source will exceed $1,000,000 annually.

"The personal property of the county more than exceeds the value of our lands, being of the enormous sum of $453,750. Of our money it may be said that there is a great dearth, while there is a poverty of indebtedness as to solvent debts; the Assessor showing only the amount of $20,692, and of debts secured by mortgages the sum of $76,312. These aggregate items may be analyzed as follows: There are in the county one thousand five hundred and ninety stands of bees, valued at $1 99½ each. Last year there were produced seven hundred and two gallons of brandies and other liquors, of the value of $1 79 per gallon. This production, in a section whose soil and climate is far better and more peculiarly adapted to the growth of the grape than any other section on the coast, shows a great lack of enterprise in this industry. This is certainly a branch of fruit growing which deserves, and will soon receive more, if not a large share of attention. Of bacon there was manufactured five thousand five hundred pounds, valued at 8 cents per pound. Surely this cannot be considered as foreshadowing a strong Bismarckian population in our midst. Our dealers are constantly importing this product into our county, owing to the excessive demand for this product over its production. This is an industry which should be fostered and encouraged. It is remunerative, and attended by but a small outlay.

"Our cows have been quite industrious during the past twelve months, having yielded four thousand two hundred and eighty-nine calves, of the value $7 99 each. We have produced beef cattle, two hundred and seven in number, worth $20 a head. Of stock cattle we have seven thousand one hundred and ten, of the assessed value of $20 each. Our stock of horses has been increased by one thousand two hundred and sixty-two colts. There is no country better adapted to the raising of horses and mules than Inyo County, its high altitude and rarified atmosphere giving them great lung power, and is a great factor in the natural development of the animals. Of bulls and cows we have twenty-two thoroughbreds, of the value of $98 20 each; and of American cows, eight hundred and ten head, worth $24 91 each. Of the cereals for the current year, we produced one thousand and eighty centals of wheat, five hundred of oats, six hundred and sixty-five of barley, and one thousand three hundred of corn, each of the value of $1 25 per cental; hay, three hundred and eight tons, which in all probability is about one tenth of the quantity; hogs, nine thousand six hundred and twenty; honey, six thousand one hundred pounds, worth 10 cents per pound, and a lively demand for it; and yet the Assessor values it at only 4 cents. Of horses, according to the assessment, we have only three thousand one hundred and seventy head. Of sheep, we have five thousand seven hundred, and of goats, three thousand and one head. These, together with various other items, foot up the grand total of $1,241,189—a goodly showing, indeed; and yet it must be borne in mind that these statements are taken from the Assessor's list, which, it is safe to estimate, does not show more than two thirds, and in many instances not one half of the number or quantity of our productions.

"It is to be regretted that a proper and reliable data is not at hand by which we are enabled to arrive at a correct number and valuation of our numerous products. But meager and unreliable as it is, it is a creditable showing. It exhibits the varied character of our productions and the

inestimable and boundless variety of our resources, and the universal adaptation of our soil to every thing within the range of husbandry. That these productions can be increased, both in quantity and quality, cannot be questioned by any one who will for but one moment consider what we were but a few years ago and what we are now. The country until very lately has been inaccessible to the outside world through the lack of proper communication; and even now, with a railroad at our very doors, we have to go through Nevada to get back into California, in leaving or returning to our homes. It is to be hoped, and in fact it may be set down as an established truth, that it will be but a short space of time before the eastern slope of California will have a direct southern outlet by rail, either through the medium of the narrow gauge system, or by that of the standard. But however that may be, there is every encouragement for our people to press forward in the development of the country. The system of irrigation which has been, and which is about to be inaugurated, will bring under subjection the desert plains, and cause them to become fertile and productive. Happy homes will adorn and beautify the land. Churches and school houses will be built, and there are those now within the sound of my voice who will live to see this valley a busy hive of industrious and thriving people, whose numbers will be reckoned, not by the hundreds, but by the thousands. There is no factor that will contribute more to this end than just such unions as we are holding here to-day. By these the farmer, the merchant, the mechanic, and all other classes are brought into communion one with the other; and by comparison of different ideas, and theories, and systems, all will be benefited, and a just and proper spirit of rivalry and emulation will be begotten, fostered, and bring forth a great good to all, and one which will prove profitable and beneficial to each and every person, whatever his calling or vocation in life may be. Then, fellow citizens, we would endeavor to impress upon you the importance of giving your utmost aid, both by your enterprise and material succor, in building up and maintaining the Eighteenth Agricultural District and its annual exhibitions, so that it will be an honor to the district, a credit to this people, and a means by which you will all be benefited."

At the recent election the vote of Inyo County was 25 per cent greater than the vote cast two years before. All of this increase is due to a corresponding increase of population. The other counties included in the Eighteenth District, viz.: Mono and Alpine, have not gained in the same proportion.

The creation of the Eighteenth District has already been of great value to a hitherto neglected but very extensive and valuable portion of our great State. A continuation of the appropriation in aid of the district will do much to hasten the settlement and improvement of vast areas of excellent land now in a state of nature and without inhabitants. The wealth of the State will be increased by millions of dollars; happy homes, schools, and churches will abound; brave men will be raised up to defend American institutions, and fair and virtuous girls will grow up to be mothers of sons and daughters worthy of such progenitors.

A full report of all the transactions of the Eighteenth District for the year eighteen hundred and eighty-eight is herewith inclosed.

C. MULHOLLAND.

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS II—STANDARD TROTTERS. | | |
| Roderick, stallion, three years old or over | Gustav Sanger | Big Pine. |
| Jessie, mare, three years old or over | Gustav Sanger | Big Pine. |
| Albenton, stallion, three years old or over | W. S. Enos | Independence. |
| CLASS III—ROADSTERS. | | |
| Dollie Webster, mare | Wm. Noonan | Lone Pine. |
| Valentine, stallion | J. S. Gorman | Independence. |
| Bismarck, stallion | M. Muldoon | Independence. |
| Bismarck, Jr., stallion | Jacob Vogt | Independence. |
| Mollie, mare | John Lucas | Lone Pine. |
| Rachael, mare | John Lucas | Lone Pine. |
| Johnnie, stallion colt | John Lucas | Lone Pine. |
| Blaze, stallion colt | John Lucas | Lone Pine. |
| Bird, mare | Thos. Webb | Independence. |
| Dust, horse | Thos. Webb | Independence. |
| Joe, horse | W. S. Enos | Independence. |
| Dana, horse | W. S. Enos | Independence. |
| CLASS IV—ALL WORK. | | |
| Lucy F, mare | Wm. Noonan | Lone Pine. |
| Dollie Webster, mare | Wm. Noonan | Lone Pine. |
| Milo, horse | Wm. Noonan | Lone Pine. |
| Baxter, horse | Wm. Noonan | Lone Pine. |
| Ted, stallion | W. S. Morton | Independence. |
| Black Prince, stallion | A. R. Conklin | Independence. |
| Lord Manning, stallion | A. R. Conklin | Independence. |
| Riley, stallion | Gustav Sanger | Big Pine. |
| Belle, mare | Gustav Sanger | Big Pine. |
| Billy, stallion | Gustav Sanger | Big Pine. |
| Daisy, mare | Gustav Sanger | Big Pine. |
| Rosie, mare | Finlay McIver | Independence. |
| Sinder, mare | W. S. Enos | Independence. |
| Jenny W, mare | W. S. Enos | Independence. |
| Ginver, mare | W. S. Enos | Independence. |
| Sinder, mare and colt | W. S. Enos | Independence. |
| Jenny W, mare and colt | W. S. Enos | Independence. |
| Family | W. S. Enos | Independence. |
| Family | W. S. Enos | Independence. |
| Donald, stallion | W. S. Enos | Independence. |
| Sullivan, stallion | W. S. Enos | Independence. |
| CLASS V. | | |
| Prince, stallion | W. S. Morton | Independence. |
| Fanny, mare | Fred. Schabbell | Independence. |
| Black Bess, mare | Fred. Schabbell | Independence. |
| ——, stallion colt | Fred. Schabbell | Independence. |
| Dolly, mare | Gustav Sanger | Big Pine. |
| Prince, stallion | Crocker Bros. | Big Pine. |
| Sam, stallion | E. Robinson | Independence. |
| Lady Clyde, mare | W. S. Enos | Independence. |
| Clyde, mare | W. S. Enos | Independence. |
| Family of three | W. S. Enos | Independence. |
| Team of two | W. S. Enos | Independence. |
| CLASS VII—SADDLE HORSES. | | |
| Pinto, gelding | J. R. Moffett | Lone Pine. |
| Billy, gelding | J. R. Moffett | Lone Pine. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| Cleveland, gelding | Nettie Olds | Round Valley. |
| Darly, gelding | I. H. Mulholland | Independence. |
| CLASS VIII—SWEEPSTAKES. | | |
| Milo, stallion | P. Laborge | Lone Pine. |
| Lady Clyde, mare | W. S. Enos | Independence. |
| Albenton, stallion | W. S. Enos | Independence. |
| Roderick, stallion | Gustav Sanger | Big Pine. |
| Jesse, stallion | Gustav Sanger | Big Pine. |
| CLASS IX—JACKS. | | |
| Harry, jack | J. E. Shepherd | Independence. |
| Grover, jr., jack | J. E. Shepherd | Independence. |
| Grover, jack | W. S. Enos | Independence. |
| CLASS X—MULES. | | |
| Lue, mare | J. E. Shepherd | Independence. |
| Stella, mare | J. E. Shepherd | Independence. |
| Tom, horse mule | Mrs. Lewis | Independence. |
| Johnnie, horse mule | Mrs. Lewis | Independence. |
| CLASS XII—CATTLE. | | |
| Daisy, cow | C. A. Walter | Independence. |
| Cherry, cow | A. N. Bell | Independence. |
| Silkie, cow | A. N. Bell | Independence. |
| Bull | A. N. Bell | Independence. |
| Family | A. N. Bell | Independence. |
| CLASS XIV—GOATS. | | |
| Lot of six Angoras | Horace Bellows | Olancha. |
| CLASS XV—SWINE. | | |
| Lot of five | John Baxter | Independence. |
| Family | Jacob Vogt | Independence. |
| Boar | Jacob Vogt | Independence. |
| CLASS XVI—POULTRY. | | |
| Pair of geese | John Baxter | Independence. |
| Chickens | Fred. Schabbell | Independence. |
| Ducks | Arthur Shepherd | Independence. |
| Turkeys | Fred. Schabbell | Independence. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II. | | | |
| Stallion | G. Sanger | Big Pine | $20 00 |
| CLASS III. | | | |
| Stallion | M. Muldoon | Independence | $20 00 |
| Stallion | Jacob Vogt | Independence | $10 00 |
| Team | Thos. Webb | Independence | $10 00 |
| CLASS IV. | | | |
| Stallion | A. R. Conklin | Independence | $15 00 |
| Stallion | G. Sanger | Big Pine | $20 00 |
| Stallion | Wm. Noonan | Lone Pine | $10 00 |
| Colt | F. McIver | Independence | $10 00 |
| Family | G. Sanger | Big Pine | $20 00 |
| CLASS V. | | | |
| Stallion | W. S. Enos | Independence | $20 00 |
| Stallion | E. Robinson | Independence | $15 00 |
| Stallion | W. S. Enos | Independence | $7 50 |
| Draft span | W. S. Enos | Independence | $10 00 |
| Mare | G. Sanger | Big Pine | $10 00 |
| CLASS VI. | | | |
| Carriage team | E. Robinson | Independence | $10 00 |
| Buggy team | John Lucas | Lone Pine | $15 00 |
| CLASS VII. | | | |
| Saddle horse | J. R. Moffett | Lone Pine | $15 00 |
| Saddle horse | Nettie Olds | Round Valley | $10 00 |
| CLASS VIII—SWEEPSTAKES. | | | |
| Stallion | G. Sanger | Big Pine | $10 00 |
| Mare | G. Sanger | Big Pine | $10 00 |
| CLASS IX—JACKS. | | | |
| Jack | J. E. Shepherd | Independence | $15 00 |
| Jack | W. S. Enos | Independence | $10 00 |
| CLASS X—MULES. | | | |
| Span of mules | Mrs. Lewis | Independence | $10 00 |
| Span of mules | J. E. Shepherd | Independence | $10 00 |
| CLASS XII. | | | |
| Cow | A. N. Bell | Independence | $15 00 |
| Cow | C. A. Walter | Independence | $10 00 |
| Cow | A. N. Bell | Independence | $20 00 |
| Cow and calf | A. N. Bell | Independence | $10 00 |
| CLASS XIV. | | | |
| Angora goats | Horace Bellows | Olancha | $20 00 |
| CLASS XV. | | | |
| Hogs | John Baxter | Independence | $10 00 |
| CLASS XVI. | | | |
| Chickens | Fred. Schabbell | Independence | $5 00 |
| Turkeys | Fred. Schabbell | Independence | $5 00 |
| Geese | John Baxter | Independence | $2 50 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Agricultural products | C. A. Walter | Independence | $15 00 |
| Agricultural products | John Baxter | Independence | $10 00 |
| Sack of oats | John Baxter | Independence | $5 00 |
| One hundred pounds of flour | A. N. Bell | Independence | $5 00 |
| One hundred pounds of shelled corn | C. A. Walter | Independence | $5 00 |
| Fifty pounds of alfalfa seed | C. A. Walter | Independence | $5 00 |
| Sack of seed wheat | W. L. Hunter | Independence | $5 00 |
| Sack of seed rye (special) | W. L. Hunter | Independence | $2 00 |
| Sack of seed barley | Jacob Vogt | Independence | $5 00 |
| Fifty pounds early rose potatoes | W. J. Lake | Independence | $2 00 |
| One hundred pounds, any variety | W. J. Lake | Independence | $2 00 |
| Tomatoes | Mrs. Baker | Big Pine | $2 00 |
| Watermelons | J. W. Symmes | Independence | $2 00 |
| Egg plant (special) | John Kispert | Independence | $2 00 |
| Sweet potatoes | C. A. Walter | Independence | $2 00 |
| Beets | C. A. Walter | Independence | $2 00 |
| Peppers | C. A. Walter | Independence | $2 00 |
| White beans | C. A. Walter | Independence | $2 00 |
| Pink beans | C. A. Walter | Independence | $2 00 |
| Garden peas | C. A. Walter | Independence | $2 00 |
| Cantaloupes | C. A. Walter | Independence | $2 00 |
| Squash | Fred. Schabbell | Independence | $2 00 |
| Pumpkins | Jacob Vogt | Independence | $2 00 |
| Cabbage | H. L. Clark | Independence | $2 00 |
| Cucumbers | H. L. Clark | Independence | $2 00 |
| Carrots | A. N. Bell | Independence | $2 00 |
| Onions | Mrs. Baker | Big Pine | $2 00 |
| Celery | S. A. Densmore | Independence | $2 00 |
| Bale of timothy hay | John Shepherd | Independence | $5 00 |
| Bale of alfalfa hay | John Shepherd | Independence | $5 00 |
| Blue grass seed (special) | C. A. Walter | Independence | $2 00 |
| Blue grass seed (special) | John Shepherd | Independence | $2 00 |
| Tobacco (special) | C. A. Walter | Independence | $1 00 |
| CLASS III. | | | |
| Butter in roll | John Baxter | Independence | $10 00 |
| Butter in roll | F. J. Reynolds | Independence | $5 00 |
| Butter, pickled | F. J. Reynolds | Independence | $10 00 |
| Lard | Mrs. J. Brown | Independence | $2 50 |
| Best display of jelly | Lena Thomsen | Independence | $7 50 |
| Second best display of jelly | Mrs. J. Brown | Independence | $5 00 |
| Best display of preserves | Lena Thomsen | Independence | $7 50 |
| Second best display of preserves | Alice Stecker | Independence | $5 00 |
| Best display of pickles | Lena Thomsen | Independence | $7 50 |
| Second best display of pickles | Rachael Ball | Independence | $5 00 |
| Cheese | A. Matlick | Bishop Creek | $10 00 |
| Ham | C. A. Walter | Independence | $5 00 |
| Bacon | Jacob Vogt | Independence | $5 00 |
| Best display of fruit in jars | Mrs. J. Brown | Independence | $10 00 |
| Second best display of fruit in jars | Alice Stecker | Independence | $5 00 |
| Honey | W. M. Rasmussen | Independence | $5 00 |
| Apiary display | W. M. Rasmussen | Independence | $10 00 |
| Bread and cake | H. Levy | Independence | $5 00 |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASSES I AND II. | | | |
| Best display of apples | John Baxter | Independence | $5 00 |
| Second best | John Kispert | Independence | $2 50 |
| Best display of pears | J. W. Symmes | Independence | $5 00 |
| Second best | S. A. Densmore | Independence | $2 50 |
| Best display of peaches | S. A. Densmore | Independence | $5 00 |
| Second best | Fanny Baker | Big Pine | $2 50 |
| Best display of plums | S. A. Densmore | Independence | $5 00 |
| Second best | E. Robinson | Independence | $2 50 |
| Best display of quinces | A. A. Densmore | Independence | $5 00 |
| Best display of prunes | A. A. Densmore | Independence | $5 00 |
| Best display of nectarines (special) | A. A. Densmore | Independence | $2 00 |
| Best display of wine grapes | John Kispert | Independence | $5 00 |
| Best display of raisin grapes | J. W. Symmes | Independence | $5 00 |
| Best display of dried fruits | C. A. Walter | Independence | $10 00 |
| Second best | John Baxter | Independence | $5 00 |
| Display of wine | S. A. Densmore | Independence | $10 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Best oil painting | Mrs. C. H. Parsons | Round Valley | $7 50 |
| Second best | Miss Voris | Independence | $5 00 |
| Crayon drawing | Marcia Stevens | Lone Pine | $5 00 |
| Painting on satin | Mrs. Parsons | Round Valley | $2 50 |
| Japanese panels | Marcia Stevens | Lone Pine | $2 50 |
| Collection of paintings | Miss M. Conklin | Independence | $5 00 |
| Water color drawing | Mrs. C. H. Parsons | Round Valley | $5 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Knitted quilt | Mrs. N. Rhine | Independence | $2 50 |
| Crazy quilt | Lena Thomsen | Independence | $2 50 |
| Embroidered dress | Lena Thomsen | Independence | $2 00 |
| Hearth rug | Lena Thomsen | Independence | $2 00 |
| Crochet shawl | Mrs. C. Mulholland | Independence | $2 00 |
| Paper flowers | Lena Thomsen | Independence | $2 00 |
| Fancy articles | Addie Lewis | Independence | $5 00 |
| Lady's dress | Lena Thomsen | Independence | $5 00 |
| Spanish needlework | Mrs. C. Mulholland | Independence | $5 00 |
| Knitted silk hose | Mrs. J. C. Irwin | Independence | $2 00 |
| Crewel work | Annie Thomsen | Independence | $2 00 |
| Patchwork quilt | J. A. Hannah | Independence | $2 50 |
| Toilet set | Mrs. A. W. Eibeshutz | Independence | $2 00 |
| Sofa cushion | J. A. Hannah | Independence | $2 00 |
| Tidy | Addie Lewis | Independence | $2 00 |
| Table scarf and cover | Mrs. N. Rhine | Independence | $2 00 |
| Child's dress | Cora Craig | Independence | $2 00 |
| Child's splasher | Maud Russell | Independence | $2 00 |

## EIGHTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I. | | | |
| Collection of ores | W. L. Hunter | Independence | $15 00 |
| Collection of coins | Jessie Skinner | Independence | $2 00 |
| Silver ores | W. H. Russell | Benton | $5 00 |
| Display of marble | Al. Standinger | Keeler | $10 00 |
| Old lace | Rachel Bell | Independence | $2 00 |
| Eggs and curios | Maggie S. Conklin | Independence | $2 00 |
| Alum work | Mrs. Goodall | Big Pine | $2 00 |

# SPEED PROGRAMME.

## TUESDAY, SEPTEMBER 18, 1888.

### Race No. 1—Trotting.

Two-year olds. Purse, one hundred dollars. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sam, s. h., by Bismarck; dam, Honita | Alvah Conklin | Independence. |
| Dolly Webster, b. m., unknown | William Noonan | Lone Pine. |
| Milo, g. h., unknown | P. La Berge | Lone Pine. |

SUMMARY.

| | |
|---|---|
| Sam | 1 |
| Milo | 2 |
| Dolly Webster | 3 |

*Time*—3:25.

### Race No. 2—Half Mile Dash.

Untried horses. Purse, fifty dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Brown Belle, br. m., unknown | Ed. Rope | Independence. |
| Bay Jack, b. g., unknown | J. M. Horton | Bishop Creek. |
| Clipper, b. g., unknown | J. W. P. Laird | Independence. |
| Jesse James, unknown | Asa Smith | Bishop Creek. |

SUMMARY.

| | |
|---|---|
| Brown Belle | 1 |
| Jesse James | 2 |
| Bay Jack | 3 |
| Clipper | 4 |

*Time*—0:53¼.

## WEDNESDAY, SEPTEMBER 19, 1888.

### Race No. 3—Trotting—Teams.

Teams trotting to wagon. Purse, one hundred dollars. Mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Theo and mate, unknown | P. La Berge | Lone Pine. |
| Ned and Pete, unknown | Frank Williams | Bishop Creek. |
| George and Tom, unknown | Alvah Conklin | Independence. |

SUMMARY.

Theo and mate ..... 1
George and Tom ..... dis.
Ned and Pete ..... dis.

*Time*—3:10.

---

RACE No. 4—RUNNING.

Free for all. Purse, one hundred dollars. One half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Billy S, g. g., unknown | Frank Williams | Bishop Creek. |
| Brown Belle, br. m., unknown | J. M. Horton | Bishop Creek. |
| Bismarck, br. g., unknown | Gustav Sanger | Big Pine. |

SUMMARY.

Billy S ..... 1
Brown Belle ..... 2
Bismarck ..... 3

*Time*—0:52.

---

THURSDAY, SEPTEMBER 20, 1888.

RACE No. 5—TROTTING.

Stallions only. Purse, one hundred dollars. Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ned, blk. s., unknown | David Olds | Round Valley. |
| Ted, g. s., unknown | W. S. Morton | Independence. |
| Lord Manning, by Planter | John Keegan | Independence. |

SUMMARY.

Ned ..... 1
Ted ..... 2
Lord Manning ..... 3

*Time*—3:37.

---

RACE No. 6—RUNNING.

Free for all. Saddle horses. Purse, fifty dollars. One half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Maud, unknown | John Parriph | Lone Pine. |
| Bird, blk. m., unknown | Frank Williams | Bishop Creek. |
| Sandy, b. g., unknown | J. M. Horton | Bishop Creek. |

SUMMARY.

Sandy ..... 1
Bird ..... 2
Little Maud ..... 3

*Time*—0:55.

RACE NO. 7—RUNNING.

Free for all. Purse, fifty dollars. One quarter mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Dandy Pat, br. g., unknown | C. Burns | Kernville. |
| Brown Belle | J. M. Horton | Bishop Creek. |
| Billy S, br. g. | Frank Williams | Bishop Creek. |

SUMMARY.

Dandy Pat ..... 1
Billy S ..... 2
Brown Belle ..... 3

*Time*—0:24½.

---

FRIDAY, SEPTEMBER 21, 1888.

RACE NO. 8—TROTTING.

Free for all. Purse, one hundred dollars. One mile; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ned, blk. s., unknown | Frank Williams | Bishop Creek. |
| Tom, br. g., unknown | I. H. Mulholland | Independence. |
| Pete, s. g., unknown | J. Harley | Round Valley. |

SUMMARY.

Ned ..... 1
Tom ..... 2
Pete ..... dis.

*Time*—3:10.

---

RACE NO. 9—RUNNING.

Free for all. Purse, one hundred dollars. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sidewinder, b. g. | Gustav Sanger | Big Pine. |
| Emma T, b. m. | J. Trullinger | Independence. |
| Darby, br. g. | I. H. Mulholland | Independence. |

SUMMARY.

Sidewinder ..... 1
Darby ..... 2
Emma T ..... 3

*Time*—2:02.

SATURDAY, SEPTEMBER 22, 1888.

RACE NO. 10—RUNNING.

For beaten horses only. One half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bird | Frank Williams | Bishop Creek. |
| Jesse James | Marshall Naylor | Big Pine. |
| Emma T | J. Trullinger | Independence. |

SUMMARY.

Jesse James ..... 1
Bird ..... 2
Emma T ..... 3

*Time*—0:56.

---

RACE NO. 11—TROTTING.

For three-year olds. Purse, one hundred dollars. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Biddy Muldoon, b. m., by Bismarck | J. M. Horton | Bishop Creek. |
| Business, b. g., by Bismarck | E. Robinson | Independence. |
| Valentine, b. s., by Bismarck | J. C. Irwin | Independence. |

SUMMARY.

Biddy Muldoon ..... 1
Valentine ..... 2
Business ..... 3

*Time*—3:49.

---

RACE NO. 12—RUNNING.

Free for all. Purse, fifty dollars. Three fourths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sandy, s. g. | Ed. Rose | Independence. |
| Bird | Frank Williams | Bishop Creek. |
| Brown Belle | J. M. Horton | Bishop Creek. |

SUMMARY.

Bird ..... 1
Sandy ..... 2
Brown Belle ..... 3

*Time*—1:24½.

# TRANSACTIONS

OF THE

# NINETEENTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the County of Santa Barbara.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| CHAS. P. LOW | President. |
| HENRY B. BRASTOW | Secretary. |
| A. L. LINCOLN | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| CHAS. P. LOW | Santa Barbara. |
| G. C. PACKARD | Santa Barbara. |
| W. B. JAMES | Santa Barbara. |
| E. C. ROEDER | Santa Barbara. |
| J. C. HAMER | Santa Barbara. |
| T. C. NANCE | Santa Maria. |
| F. M. SENTENNY | Carpenteria. |
| R. MACHIM | Lompoc. |

# REPORT.

SANTA BARBARA, December 1, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Nineteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

HENRY B. BRASTOW, Secretary.

## RECEIPTS AND EXPENDITURES.

| 1888. | *Receipts.* | | |
|---|---|---|---|
| December 1 | To received from sale of tickets | $1,868 50 | |
| | To received from sale of privileges | 183 00 | |
| | To received from race entries | 630 00 | |
| | To received from advertisements in premium list pamphlet | 230 00 | |
| | To received from sale of fruit | 60 | |
| | To State warrant | 1,500 00 | |
| | | | $4,412 10 |

| 1888. | *Expenditures.* | |
|---|---|---|
| December 1 | By balance from account of 1887 | $2 05 |
| | By paid cash premiums | 645 50 |
| | By paid race purses | 1,694 00 |
| | By paid premiums lady riders | 30 00 |
| | By paid for music, day and evening | 318 00 |
| | By paid Ezra Cook, supplies | 13 85 |
| | By paid Sanborn & Judge, stationery | 10 30 |
| | By paid Wells, Fargo & Co., express charges | 10 85 |
| | By paid Noble & Hitchcock, ribbons | 6 40 |
| | By paid Independent Publishing Co., printing | 100 00 |
| | By paid Independent Publishing Co., advertising | 53 00 |
| | By paid Press Publishing Co., advertising | 60 50 |
| | By paid Herald, advertising | 10 00 |
| | By paid E. H. Heacock, ticket clerk | 20 00 |
| | By paid B. M. Smith, assistant ticket clerk | 12 50 |
| | By paid O. B. Farnum, entry clerk | 24 00 |
| | By paid G. P. Penfield, labor | 2 50 |
| | By paid C. S. Shotwell, carting | 1 00 |
| | By paid John Walton, labor | 10 00 |
| | By paid F. T. Rowan, nightwatch, pavilion | 15 00 |
| | By paid C. Kelton, nightwatch, pavilion | 6 00 |
| | By paid F. Walker, labor | 27 00 |
| | By paid F. Packard, assistant superintendent of pavilion | 27 00 |
| | By paid Jas. Morgan, gatekeeper, pavilion | 16 00 |
| | By paid J. M. Garrettson, gatekeeper, track | 20 00 |
| | By paid Thos. Martin, gatekeeper, track | 16 00 |
| | By paid R. Dugan, nightwatch, yard | 6 00 |
| | By paid T. H. Rasor, nightwatch, yard | 15 00 |
| | By paid Chas. P. Low, straw | 30 00 |
| | By paid T. B. Curly, carting | 1 00 |
| | By paid W. C. Show, oil | 1 40 |
| | By paid Edwards & Boeseke, supplies | 10 75 |
| | By paid Jas. Delaney, carting lumber | 14 00 |

| | | | |
|---|---|---|---|
| December 1—By paid Electric Light Co. | | $30 00 | |
| By paid Alex. Yates, labor, stock yard | | 15 00 | |
| By paid Mrs. M. F. Hamer, badges and decorating | | 8 25 | |
| By paid W. J. Stafford, posting bills | | 6 00 | |
| By paid T. J. Burdick, carpenter work | | 27 68 | |
| By paid Roeder & Ott, waterpipe and laying, and gasoline | | 50 35 | |
| By paid F. T. Knight, use of three hundred chairs | | 30 00 | |
| By paid Garland & Son, cloth | | 5 08 | |
| By paid E. C. Roeder, freight | | 7 35 | |
| By paid E. B. Chambers, silver cups | | 36 50 | |
| By paid F. A. Conant, engraving | | 13 20 | |
| By paid T. & A. Goux, supplies | | 24 50 | |
| By paid F. A. Malone, judge of races | | 75 00 | |
| By paid A. O. Perkins, notary fees | | 2 00 | |
| By paid Gorham & Co., lumber | | 3 62 | |
| By paid Chas. P. Low, services | | 25 00 | |
| By paid E. C. Roeder, services | | 25 00 | |
| By paid T. C. Hamer, services | | 25 00 | |
| By paid T. C. Nance, services | | 25 12 | |
| By paid R. Matchim, services | | 25 13 | |
| By paid F. M. Sentenney, services | | 25 25 | |
| By paid G. C. Packard, services | | 25 00 | |
| By paid H. B. Brastow, Secretary, salary, 1888 | | 150 00 | |
| By paid Santa Barbara Land, Building, and Improvement Co., rent of pavilion and fair grounds | | 300 00 | |
| By paid discount of State warrant | | 18 75 | |
| By balance cash on hand | | 203 72 | |
| | | | $4,412 10 |

# EXHIBITS AT THE FAIR—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED HORSES. | | |
| Langtry, colt | O. M. Covarrubias | Santa Barbara. |
| Nannie, mare | T. M. Lewis | Santa Barbara. |
| Accident, stallion | G. W. Leland | Santa Barbara. |
| Consuello | E. R. Den | Santa Barbara. |
| Othello, stallion | E. R. Den | Santa Barbara. |
| Laura, filly | E. R. Den | Santa Barbara. |
| Herodius, stallion | T. P. Williams | Los Alamos. |
| CLASS II—ROADSTERS. | | |
| Jessie, mare | Wm. Robinson | Santa Barbara. |
| Cashmir, stallion | J. N. Johnson | Santa Barbara. |
| Victoria, mare | J. N. Johnson | Santa Barbara. |
| Nelly S, mare | G. C. Welsh | Santa Barbara. |
| Molly W, filly | G. C. Welsh | Santa Barbara. |
| Daisy, filly | T. M. Lewis | Goleta. |
| Dandy, colt | T. M. Lewis | Goleta. |
| ——, colt | J. W. Cooper | Santa Barbara. |
| Agnes and Perica, pair of horses | O. M. Covarrubias | Santa Barbara. |
| Toby, horse colt | O. M. Covarrubias | Santa Barbara. |
| Hesperion, stallion | F. T. Underhill | Los Alamos. |
| Saxton, stallion | F. T. Underhill | Los Alamos. |
| Electro, stallion | Merritt & Murray | Santa Maria. |
| Allen G, colt | D. F. Oglesby | Santa Barbara. |
| Hesp, colt | T. Leslie | Santa Maria. |
| Jennie, mare | T. M. Lewis | Goleta. |
| Three colts | W. W. Hollister | Santa Barbara. |
| Mollie, mare | W. W. Hollister | Santa Barbara. |
| Bess, mare | W. W. Hollister | Santa Barbara. |
| Rosie, mare | W. W. Hollister | Santa Barbara. |
| McCarty, mare | F. J. Brookshire | Santa Maria. |
| Glenco, horse | F. J. Brookshire | Santa Maria. |
| Dexter, stallion | A. J. Gillett | Lompoc. |
| Garfield, colt | F. Rodriguez | Santa Barbara. |
| Nellie, mare | D. Carter | Santa Barbara. |
| Billy, colt | D. Carter | Santa Barbara. |
| Carrie B, mare | E. R. Den | Santa Barbara. |
| O M C, colt | E. R. Den | Santa Barbara. |
| Dashwood, stallion | E. A. Hollister | Goleta. |
| Queen, mare | Geo. Buck | Goleta. |
| Dan Rice, stallion | J. G. Doty | Dos Pueblos. |
| Mollie D, mare | J. G. Doty | Dos Pueblos. |
| Dan Rice and five colts | J. G. Doty | Dos Pueblos. |
| Kittie Wade, filly | J. Archer | Santa Barbara. |
| Florence P, mare | H. W. Lawrence | Santa Barbara. |
| Dixie, horse | H. W. Lawrence | Santa Barbara. |
| Fox, colt | A. Martin | Carpenteria. |
| George W, stallion | A. C. J. Wilson | Santa Barbara. |
| Lulu M, mare | A. C. J. Wilson | Santa Barbara. |
| Donna Day, mare | A. C. J. Wilson | Santa Barbara. |
| Maggie W, colt | A. C. J. Wilson | Santa Barbara. |
| Mary, colt | E. Doty | Naples. |
| Sorrel Tom, horse | E. R. Den | Santa Barbara. |
| Blaine, stallion | M. F. Burke | Santa Barbara. |
| ——, pair horses | Samuel Robinson | Santa Barbara. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS III—DRAFT HORSES. | | |
| Charlie, stallion | T. Phillips | Goleta. |
| Chromo, stallion | T. Phillips | Goleta. |
| Prince, stallion | T. Phillips | Goleta. |
| Stonewall, stallion | T. Phillips | Goleta. |
| Lester and George, two colts | T. Phillips | Goleta. |
| Morcena, mare | T. Phillips | Goleta. |
| Infelice, mare | T. Phillips | Goleta. |
| Flora and Emma, two colts | T. Phillips | Goleta. |
| Polly K, filly | C. H. Kelton | Santa Barbara. |
| Fannie, filly | W. E. Johnson | Santa Barbara. |
| Monte, stallion | Jno. Pyster | Carpenteria. |
| Aledo, stallion | Jno. Pyster | Carpenteria. |
| Dolly, mare | A. H. Phillips | Goleta. |
| Delesiss, Jr., colt | E. S. Cordero | Las Cruces. |
| Moscow, mare | F. M. Sentenney | Carpenteria. |
| CLASS III—DRAFT HORSES. | | |
| Lottie, filly | F. M. Sentenney | Carpenteria. |
| El Titus, colt | F. M. Sentenney | Carpenteria. |
| Maggie, mare | E. P. Sawyer | Carpenteria. |
| Fanny, mare | Jno. Donahue | Santa Ynez. |
| Kitty, colt | Jno. Donahue | Santa Ynez. |
| Fred, horse | E. Doty | Naples. |
| Mollie, mare | E. Doty | Naples. |
| Lucy, colt | E. Doty | Naples. |
| Pellegree, colt | R. Romero | Santa Barbara. |
| Charlie, colt | James Ward | Carpenteria. |
| El Kadir, stallion | T. Phillips | Goleta. |
| Pet, colt | A. B. Sutton | Carpenteria. |
| El Kadir, stallion and five colts | T. Phillips | Goleta. |
| CLASS IV—CARRIAGE HORSES. | | |
| Tom, horse | William Robinson | Santa Barbara. |
| Pair of gray mares | G. C. Welsh | Santa Barbara. |
| Pair of sorrel horses | B. Baker | Lompoc. |
| Pair of cream horses | Samuel Robinson | Santa Barbara. |
| Celum, horse | E. Doty | Naples. |
| Sally and Bell, pair of mares | E. Doty | Naples. |
| Charlie, horse | E. A. Hollister | Goleta. |
| Philip, horse | George Buck | Goleta. |
| Dotty, mare | A. W. Buell | Santa Barbara. |
| Dake, horse | W. E. Johnson | Santa Barbara. |
| CLASS V—HORSES FOR ALL PURPOSES. | | |
| Pat, stallion | A. W. Buell | Santa Barbara. |
| Polly, mare | A. W. Buell | Santa Barbara. |
| Don Patricio, stallion | I. K. Fisher | Santa Barbara. |
| Kate, mare | A. H. Phillips | Goleta. |
| Ben Wade, colt | A. H. Phillips | Goleta. |
| Colt | C. Hazelrigg | Santa Maria. |
| Princess, filly | T. M. Lewis | Goleta. |
| Queen, filly | T. M. Lewis | Goleta. |
| John, colt | Samuel Robinson | Santa Barbara. |
| Jesse, colt | Samuel Robinson | Santa Barbara. |
| Dagobert, stallion | F. T. Underhill | Los Alamos. |
| Compromise, stallion | S. Hobbs | Santa Maria. |
| Jessie, mare | A. Turk | Los Alamos. |
| Colt | A. Turk | Los Alamos. |
| Topsy, filly | E. P. Sawyer | Carpenteria. |
| Lord Derby, colt | E. P. Sawyer | Carpenteria. |
| Lilly, mare | Thomas Leslie | Los Alamos. |
| Daisy, colt | E. Doty | Naples. |
| Kate, mare | D. Carter | Santa Barbara. |
| Pet, mare | B. S. Sutton | Carpenteria. |
| Dolly, filly | B. S. Sutton | Carpenteria. |
| Ned, colt | T. Phillips | Goleta. |
| Ben Archer, stallion | J. Archer | Santa Barbara. |
| Ben Archer, stallion and five colts | J. Archer | Santa Barbara. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| Fly, mare | L. G. Olliver | Santa Barbara. |
| Newry, colt | W. E. Johnson | Santa Barbara. |
| Maggie, mare | W. E. Johnson | Santa Barbara. |
| Dandy, colt | W. E. Johnson | Santa Barbara. |
| CLASS VI—SADDLE HORSES. | | |
| Peachie, horse | H. W. Lawrence | Santa Barbara. |
| CLASS VII—MULES. | | |
| Pair of mules | Jno. Pyster | Carpenteria. |
| CLASS VIII—JACKS AND JENNIES. | | |
| Commodore Stockton, jack | F. T. Underhill | Los Alamos. |
| CLASS II—CATTLE—THOROUGHBRED JERSEYS. | | |
| Pansy, cow | A. C. J. Wilson | Santa Barbara. |
| Annie H, cow | A. C. J. Wilson | Santa Barbara. |
| Henry 8th, bull | A. C. J. Wilson | Santa Barbara. |
| Lottie H, cow | A. C. J. Wilson | Santa Barbara. |
| Pansy 2d, cow | A. C. J. Wilson | Santa Barbara. |
| Mattie H, cow | A. C. J. Wilson | Santa Barbara. |
| Boz, bull | A. C. J. Wilson | Santa Barbara. |
| CLASS III—GRADED JERSEYS. | | |
| Mary, cow | J. Archer | Santa Barbara. |
| Calf | J. C. Hamer | Santa Barbara. |
| CLASS VI—GRADES. | | |
| Lucy, cow | C. L. Hunt | Santa Barbara. |
| Cow | Jas. Delaney | Santa Barbara. |
| Heifer | Jas. Delaney | Santa Barbara. |
| CLASS IX—SWINE. | | |
| Ben, boar | A. H. Phillips | Goleta. |
| Sow and ten pigs | A. H. Phillips | Goleta. |
| Jack, boar | T. M. Lewis | Santa Barbara. |
| Jim Blaine, Essex boar | Jos. Faulding | Santa Barbara. |
| Queen, Essex sow | Jos. Faulding | Santa Barbara. |
| Three Essex pigs | Jos. Faulding | Santa Barbara. |
| Jack, boar | Jos. Faulding | Santa Barbara. |
| Sow and pigs | Jas. Delaney | Santa Barbara. |
| Grade boar | Jas. Delaney | Santa Barbara. |
| Grade sow | Jas. Delaney | Santa Barbara. |
| POULTRY. | | |
| Trio of ducks | Wm. Robinson | Santa Barbara. |
| Game fowls | Wm. Robinson | Santa Barbara. |
| Game hen and chickens | Wm. Robinson | Santa Barbara. |
| Trio of Pekin ducks | H. Frabe | Santa Barbara. |
| Six wild pigeons | A. Lambert | Carpenteria. |
| Six Langshan chickens | J. M. Garrettson | Santa Barbara. |
| Coop Jacobin pigeons | H. F. R. Vail | Santa Barbara. |
| Coop Spotted Fantail pigeons | H. F. R. Vail | Santa Barbara. |
| Coop Tenbit pigeons | H. F. R. Vail | Santa Barbara. |
| Coop Tumbler pigeons | H. F. R. Vail | Santa Barbara. |
| Coop Carrier pigeons | H. F. R. Vail | Santa Barbara. |
| Coop Turkish pigeons | H. F. R. Vail | Santa Barbara. |
| Coop blue Fantail pigeons | H. F. R. Vail | Santa Barbara. |
| Pair Guinea pigs | H. F. R. Vail | Santa Barbara. |
| Trio Rouen ducks | Clark Spring | Montecito. |
| Coop Fantail pigeons | Burt Starr | Santa Barbara. |
| Three cages canaries | Mrs. M. A. Spring | Montecito. |
| Trio Brown Leghorns | J. C. Hamer | Santa Barbara. |
| Trio Langshans | Jas. Delaney | Santa Barbara. |
| Trio Pekin ducks | Jas. Delaney | Santa Barbara. |
| Cage canaries | Mrs. O. M. Covarrubias | Santa Barbara. |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II—ROADSTERS. | | | |
| Cashmir, stallion | J. N. Johnson | Santa Barbara | $8 00 |
| Victorio, mare | J. N. Johnson | Santa Barbara | $10 00 |
| Nellie S, mare | G. C. Welsh | Santa Barbara | $5 00 |
| Electro, stallion | Merritt & Murray | Santa Maria | $15 00 |
| Allen G, colt | D. F. Oglesby | Santa Barbara | $2 00 |
| Hesper, colt | T. Leslie | Santa Maria | $4 00 |
| McCarty, mare | T. J. Brookshire | Santa Maria | $6 00 |
| Glencoe, horse | T. J. Brookshire | Santa Maria | $3 00 |
| Dexter, stallion | A. J. Gillett | Lompoc | $6 00 |
| Garfield, colt | F. Rodriguez | Santa Barbara | $2 00 |
| Dashwood, colt | E. A. Hollister | Goleta | $5 00 |
| Mollie D, mare | J. G. Doty | Dos Pueblos | $3 00 |
| Dan Rice, stallion and five colts | J. G. Doty | Dos Pueblos | $15 00 |
| Fox, colt | A. Martin | Carpenteria | $4 00 |
| Lulu M, mare | A. C. J. Wilson | Santa Barbara | $2 00 |
| Agnes and Perica, pair of matched roadsters | O. M. Covarrubias | Santa Barbara | $10 00 |
| Mollie W, filly | G. C. Welsh | Santa Barbara | $5 00 |
| CLASS III—DRAFT HORSES. | | | |
| Infelice, mare | T. Phillips | Goleta | $10 00 |
| Mollie, mare | E. Doty | Naples | $5 00 |
| Dolly, mare | A. H. Phillips | Goleta | $6 00 |
| Lotty, filly | F. M. Sentenney | Carpenteria | $5 00 |
| Pellegree, colt | R. Romero | Santa Barbara | $2 00 |
| El Kadir, stallion | T. Phillips | Goleta | $15 00 |
| El Kadir, stallion and five colts | T. Phillips | Goleta | $15 00 |
| Charlie, stallion | T. Phillips | Goleta | $3 00 |
| Prince, stallion | T. Phillips | Goleta | $5 00 |
| Stonewall, stallion | T. Phillips | Goleta | $2 00 |
| Lester and George, two colts | T. Phillips | Goleta | $4 00 |
| Polly K, filly | C. H. Kelton | Santa Barbara | $3 00 |
| Monte, stallion | John Pyster | Carpenteria | $6 00 |
| Aledo, stallion | T. Phillips | Goleta | $8 00 |
| CLASS IV—CARRIAGE HORSES. | | | |
| Tom, horse | Wm. Robinson | Santa Barbara | $5 00 |
| Pair of gray mares | G. C. Welsh | Santa Barbara | $5 00 |
| Pair of sorrel horses | B. Parker | Lompoc | $10 00 |
| CLASS V—HORSES FOR ALL PURPOSES. | | | |
| Don Patricio, stallion | I. K. Fisher | Santa Barbara | $15 00 |
| Kate, mare | A. H. Phillips | Goleta | $10 00 |
| Ben Wade, colt | A. H. Phillips | Goleta | $4 00 |
| ——, colt | C. Hazelrigg | Santa Maria | $6 00 |
| Jesse, colt | Samuel Robinson | Santa Barbara | $6 00 |
| Dagobert, stallion | F. T. Underhill | Los Alamos | $8 00 |
| Jessie, mare | A. Turk | Los Alamos | $5 00 |
| Topsy, filly | E. P. Sawyer | Carpenteria | $5 00 |
| Dolly, filly | B. S. Sutton | Carpenteria | $2 00 |
| Ned, colt | T. Phillips | Goleta | $2 00 |
| Ben Archer, stallion and five colts | J. Archer | Santa Barbara | $15 00 |
| Newry, colt | W. E. Johnson | Santa Barbara | $5 00 |
| ——, colt | A. Turk | Los Alamos | $5 00 |
| CLASS VII—MULES. | | | |
| Pair of matched mules | John Pyster | Carpenteria | $8 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II—CATTLE—THOROUGHBRED JERSEYS. | | | |
| Annie H, cow | A. C. J. Wilson | Santa Barbara | $6 00 |
| Henry 8th, bull | A. C. J. Wilson | Santa Barbara | $8 00 |
| Lottie H, cow | A. C. J. Wilson | Santa Barbara | $4 00 |
| Pansy 2d, cow | A. C. J. Wilson | Santa Barbara | $3 00 |
| Mattie H, heifer | A. C. J. Wilson | Santa Barbara | $4 00 |
| CLASS III—GRADED JERSEYS. | | | |
| May, cow | J. Arthur | Santa Barbara | $6 00 |
| Calf | J. C. Hamer | Santa Barbara | $2 00 |
| CLASS VI—GRADES. | | | |
| Cow | Jas. Delaney | Santa Barbara | $5 00 |
| Heifer | Jas. Delaney | Santa Barbara | $3 00 |
| CLASS IX—SWINE. | | | |
| Ben, boar | A. H. Phillips | Goleta | $5 00 |
| Sow and ten pigs | A. H. Phillips | Goleta | $5 00 |
| Jack, boar | T. M. Lewis | Santa Barbara | $2 50 |
| Essex swine | J. Faulding | Santa Barbara | $3 00 |
| Sow and pigs | Jas. Delaney | Santa Barbara | $2 00 |
| Graded boar | Jas. Delaney | Santa Barbara | $3 00 |
| Graded sow | Jas. Delaney | Santa Barbara | $3 00 |
| POULTRY. | | | |
| Trio of ducks | Wm. Robinson | Santa Barbara | $2 00 |
| Game fowls | Wm. Robinson | Santa Barbara | $2 00 |
| Hen and chickens | Wm. Robinson | Santa Barbara | $2 00 |
| Wild pigeons | Albert Lambert | Carpenteria | $2 00 |
| Langshan chickens | J. M. Garrettson | Santa Barbara | $2 00 |
| Exhibit of fancy pigeons | H. F. R. Vail | Santa Barbara | $5 00 |
| Guinea pigs | H. F. R. Vail | Santa Barbara | $2 00 |
| Canaries | Mrs. M. A. Spring | Montecito | $2 00 |
| Trio of Brown Leghorns | J. C. Hamer | Santa Barbara | $2 00 |
| Jacobin pigeons | H. F. R. Vail | Santa Barbara | $2 00 |
| Best ducks of any breed | Jas. Delaney | Santa Barbara | $2 00 |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—FARM PRODUCTS. | | | |
| Corn on the stalk | Wm. Robinson | Santa Barbara | $2 00 |
| Yellow corn | A. H. Phillips | Goleta | $2 00 |
| Wheat | A. Turk | Los Alamos | $2 00 |
| Best display of farm products | E. P. Sawyer | Carpenteria | $10 00 |
| Potatoes | William Begg | Goleta | $1 00 |
| Cabbage | William Begg | Goleta | $2 00 |
| Popcorn on the stalk | E. Doty | Naples | $2 00 |
| Tomatoes | A. B. Sutton | Carpenteria | $2 00 |
| Largest watermelon | J. Langman | Santa Barbara | $1 00 |
| Corn in the ear | James Ward | Goleta | $2 00 |
| Beets | A. Martin | Carpenteria | $2 00 |
| Sweet corn | A. Martin | Carpenteria | $2 00 |
| Tobacco | R. Vialoa | Carpenteria | $2 00 |
| Best flavored watermelon | R. Vialoa | Carpenteria | $1 00 |
| Sweet potatoes | J. R. Thurmond | Carpenteria | $1 00 |
| Onions | J. R. Thurmond | Carpenteria | $2 00 |
| English walnuts | J. R. Thurmond | Carpenteria | $2 00 |
| White beans | J. R. Thurmond | Carpenteria | $2 00 |
| Lima beans | J. R. Thurmond | Carpenteria | $2 00 |
| Best display of garden products | George Williams | Santa Barbara | $10 00 |
| White corn | J. R. Thurmond | Carpenteria | $2 00 |
| Muskmelons | A. Martin | Carpenteria | $1 00 |
| Squash | W. N. Roberts | Goleta | $2 00 |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II—MISCELLANEOUS PRODUCTS. | | | |
| Roll of butter | Mrs. E. P. Sawyer | Carpenteria | $5 00 |
| Butter, fifty pounds | William Begg | Goleta | $12 00 |
| Cake | Mrs. C. F. Rystrom | Carpenteria | $5 00 |
| Bread | Mrs. C. F. Rystrom | Carpenteria | $5 00 |
| Bacon and ham | L. J. Olliver | Santa Barbara | $5 00 |
| Pastry | Mrs. G. C. Packard | Montecito | $4 00 |
| Packed butter | L. G. Olliver | Santa Barbara | $3 50 |
| LADIES' DEPARTMENT. | | | |
| Knitting | Mrs. A. Henning | Lompoc | $2 00 |
| Pillow shams | Mrs. E. Marcy | Santa Barbara | $2 00 |
| Patchwork quilt | Mrs. E. Marcy | Santa Barbara | $3 00 |
| Best exhibit of needlework | Mrs. M. F. Lucas | Santa Barbara | Sil. med. |
| Feather work | Mrs. M. A. Spring | Montecito | $3 00 |
| Slippers | Mrs. Conrad | Montecito | $2 00 |
| Tatting | Miss Coffin | Santa Barbara | $1 00 |
| Drawn work | Mrs. Covarrubias | Santa Barbara | $3 00 |
| Shell work | Mrs. Covarrubias | Santa Barbara | $2 00 |
| Crochet work | Mrs. L. Loyd | Santa Barbara | $2 00 |
| Plain sewing | Mrs. L. Loyd | Santa Barbara | $3 00 |
| Thread lace | Mrs. Henning | Lompoc | $2 00 |
| Moss work | Mrs. J. Miller | Santa Barbara | $2 00 |
| Table scarf | Miss E. Gallagher | Santa Barbara | $2 00 |
| Crazy quilt | Mrs. E. Smith | Santa Barbara | $3 00 |
| Wax work | Mrs. R. S. Newbury | Goleta | $2 00 |
| Applique work | Miss E. Gallagher | Santa Barbara | $2 00 |
| Embroidery | Mrs. Conrad | Montecito | $2 00 |
| FINE ARTS. | | | |
| Sign painting | F. W. Judd | Santa Barbara | Sil. med. |
| Landscape, in oil | F. W. Judd | Santa Barbara | Sil. med. |
| Oil paintings | Miss J. Ingham | Santa Barbara | Sil. med. |
| Photographs | W. J. Rea | Santa Barbara | Sil. med. |
| India ink drawing | Mrs. R. S. Newbury | Goleta | Sil. med. |
| Flowers, in oil | Miss E. Thompson | Santa Barbara | Sil. med. |
| Wood graining | A. Hardcastle | Santa Barbara | Sil. med. |
| Crayon drawing | Miss May Dugan | Santa Barbara | Sil. med. |
| MANUFACTURES OF THIS COUNTY. | | | |
| Wagon | Hunt, Son & Schuster | Santa Barbara | Sil. med. |
| Furniture upholstering | F. H. Knight | Santa Barbara | Sil. med. |
| Articles from California woods | J. W. Casebeer | Santa Barbara | Sil. med. |
| Stamped leather work | S. Loomis | Santa Barbara | Sil. med. |
| Double harness | S. Loomis | Santa Barbara | Sil. med. |
| Iron work | L. D. Gates | Santa Barbara | Sil. med. |
| Confectionery | J. E. Tapley | Santa Barbara | Sil. med. |
| Sanitary plumbing | J. H. Varney | Santa Barbara | Sil. med. |
| Taxidermist work | N. Lambat | Carpenteria | Sil. med. |
| MUSICAL INSTRUMENTS. | | | |
| Violin | J. W. Casebeer | Santa Barbara | Sil. med. |
| BABIES. | | | |
| Goldy, prettiest baby over six months old | Mrs. Wade | Santa Barbara | Solid silver cup. |
| William Henry, next prettiest baby over six months old | Mrs. Harrison | Santa Barbara | Sil. plated cup. |
| Charlie Hunt, prettiest baby under six months old | Mrs. Wicks | Santa Barbara | Solid silver cup. |
| Lottie May, next prettiest baby under six months old | Mrs. Sutton | Carpenteria | Sil. plated cup. |
| MERCHANDISE. | | | |
| Dry goods | A. Garland & Son | Santa Barbara | Sil. med. |
| Clothing | C. H. Frink | Santa Barbara | Sil. med. |
| Hardware | Schenck & Hawley | Santa Barbara | Sil. med. |
| Furniture | F. H. Knight | Santa Barbara | Sil. med. |

SECOND DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Agricultural implements | Schenck & Hawley | Santa Barbara | Sil. med. |
| Fancy goods | Chung Wong | Santa Barbara | Sil. med. |
| Boots and shoes | Emerson & Co. | Santa Barbara | Sil. med. |
| Harness, etc. | L. J. Dixon | Santa Barbara | Sil. med. |
| Side saddle | L. J. Dixon | Santa Barbara | Sil. med. |
| FRUIT, ETC. | | | |
| Jellies and jams | Mrs. John Spence | Santa Barbara | $3 00 |
| Preserved fruits in glass | Mrs. John Spence | Santa Barbara | $3 00 |
| Dried fruits | Wm. Jackson | Lompoc | $5 00 |
| Strawberries | J. E. Shepherd | Carpenteria | $1 00 |
| Oranges | J. E. Shepherd | Carpenteria | $2 00 |
| Peaches | E. A. Hollister | Goleta | $2 00 |
| Pears | E. A. Hollister | Goleta | $2 00 |
| Apples | E. A. Hollister | Goleta | $2 00 |
| Plums and prunes | E. A. Hollister | Goleta | $2 00 |
| Jellies from grapes and berries | Mrs. A. B. Sutton | Carpenteria | $3 00 |
| Jellies from pitted fruits | Mrs. L. G. Oliver | Santa Barbara | $3 00 |
| Blackberries | M. A. Spring | Montecito | $1 00 |
| Pickled olives | M. A. Spring | Montecito | $1 00 |
| Canned fruit | Mrs. G. C. Packard | Montecito | $3 00 |
| Best display of products of orchard and vineyard | George Williams | Santa Barbara | $10 00 |
| Jellies from apples, pears, etc. | Mrs. G. C. Packard | Montecito | $3 00 |
| Lemons | G. C. Packard | Montecito | $2 00 |
| Sweet pickles | Mrs. B. Concklin | Montecito | $2 00 |
| Best exhibit of deciduous fruit | Lompoc Grange | Lompoc | Sil. med. |
| Fine exhibit of grapes and fruit | O. Holden | Goleta | Sil. med. |
| PLANTS AND FLOWERS. | | | |
| Flowers | Joseph Sexton | Goleta | $10 00 |
| Flowering plants | John Spence | Santa Barbara | $10 00 |
| Palms in boxes | John Spence | Santa Barbara | $10 00 |
| Ferns in boxes | John Spence | Santa Barbara | $6 00 |
| Named roses | John Spence | Santa Barbara | $7 00 |
| Parlor bouquet | John Spence | Santa Barbara | $2 50 |
| Basket of flowers | John Spence | Santa Barbara | $4 00 |
| Wild flowers | Mrs. John Spence | Santa Barbara | $4 00 |
| FINAL. | | | |
| Alfalfa hay | E. P. Sawyer | Carpenteria | $1 00 |
| Sewing machines | Davis Sewing Machine Company | Santa Barbara | Sil. med. |
| Arizona deer | R. Vialoa | Carpenteria | $3 00 |
| Gold fish | Mrs. H. Loyd | Santa Barbara | $1 00 |
| Collection of coins | F. W. Casebeer | Santa Barbara | $1 00 |
| Machine embroidery | Davis Sewing Machine Company | Santa Barbara | Sil. med. |
| Saddles | S. Loomis | Santa Barbara | Sil. med. |
| Honey | J. R. Thurman | Carpenteria | $2 00 |

# SPEED PROGRAMME.

## TUESDAY, AUGUST 28, 1888.

### Race No. 1—Trotting.

For named horses. Purse, one hundred dollars. Sixty dollars to first horse; forty dollars to second. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Delta, s. g., unknown | G. F. Ellis | Santa Barbara. |
| Don Nicolas, b. g., by Nutwood | A. S. More | Santa Barbara. |
| Sorrel Tom, s. g., by Patchen | A. Den | Santa Barbara. |
| Anselmo H (formerly José O), g. s., by Richmond | E. S. Cordero | Santa Barbara. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Sorrel Tom | 2 | 1 | 1 | 1 |
| Delta | 1 | 4 | 2 | 3 |
| Don Nicolas | 3 | 2 | 3 | 2 |
| Anselmo H | 4 | 3 | dis. | |

*Time*—2:58¾; 2:57¼; 2:56; 2:49.

### Race No. 2—Trotting.

For colts sired by stallion Dan Rice. Purse, one hundred and forty dollars. Sixty per cent to first horse; forty per cent to second. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Billy, blk. g., by Dan Rice | F. Ennis | Santa Barbara. |
| Lulu M, b. m., by Dan Rice; dam, Dinah | A. C. J. Wilson | Santa Barbara. |
| Dan, b. g., by Dan Rice | J. G. Doty | Santa Barbara. |
| Jerry, b. g., by Dan Rice | H. Delaney | Santa Barbara. |

SUMMARY.

| | |
|---|---|
| Jerry | 1 |
| Billy | dis. |
| Dan | dis. for running. |
| Lulu M | dis. for foul driving. |

*Time*—3:50.

### Race No. 3—Trotting.

For stallions owned in Santa Barbara County. Purse, one hundred and fifty dollars. Sixty per cent to first horse; forty per cent to second. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bashaw, b. s., by Wopsy | R. R. Bennett | Lompoc. |
| Electro, blk. s., by Electioneer; dam, Fatima | Merritt & Murray | Santa Maria. |
| Rosewall, g. s., by Richmond; dam, by Creighton | H. Delaney | Santa Barbara. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Bashaw | 1 | 1 | 2 | 2 | 1 |
| Rosewall | 2 | 2 | 1 | 1 | 2 |
| Electro | 3 | 3 | dis. | | |

*Time*—2:34¼; 2:31¼; 2:34¼; 2:32¾; 2:32½.

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WEDNESDAY, AUGUST 29, 1888.

RACE NO. 4—RUNNING.

Purse, one hundred and fifty dollars. Sixty per cent to first horse; forty per cent to second. Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gen. Logan, b. s. | L. F. Ruiz | Santa Barbara. |
| Gladstone, s. g. | D. Sheehan | Los Angeles. |
| Sid Law, by Robbery Boy; dam, by Creighton | E. R. Den | Santa Barbara. |

SUMMARY.

| | | |
|---|---|---|
| Gladstone | 1 | 1 |
| Sid Law | 2 | 2 |
| Gen. Logan | 3 | 3 |

*Time*—0:51¼; 0:50.

---

RACE NO. 6—TROTTING.

For horses that have not beaten three minutes. Purse, one hundred and fifty dollars. Sixty per cent to first horse; forty per cent to second. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Black Jack, blk. g. | H. W. Fabing | Lompoc. |
| Henry, br. g. | F. D. Hall | Lompoc. |
| Dixie, b. g., by Norwood | H. W. Lawrence | Santa Barbara. |
| Lady Vic, b. m., by Independent | J. H. Williams | Dos Pueblos. |
| May Queen, br. m., by Enchanter; dam, by Blazing Star | F. T. Underhill | Los Alamos. |
| Ethan Allen, g. s. | John Murray, Jr. | Santa Maria. |
| Grayling, g. m. | John Murray, Jr. | Santa Maria. |

SUMMARY.

| | | | |
|---|---|---|---|
| Dixie | 1 | 1 | 1 |
| Henry | 2 | 2 | 3 |
| Lady Vic | 3 | 3 | 2 |
| Grayling | dis. | | |

*Time*—2:57; 2:51; 2:54¾.

THURSDAY, AUGUST 30, 1888.

RACE No. 7—RUNNING.

Purse, two hundred dollars. Sixty per cent to first horse; forty per cent to second. Three quarters of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Consuello, b. s., by Grinstead; dam, Nina R | E. R. Den | Santa Barbara. |
| Comanche, b. s., by Musy | Jesse Hill | Lompoc. |
| Gladstone, s. g. | D. Sheehan | Los Angeles. |

SUMMARY.

| | | | |
|---|---|---|---|
| Gladstone | 1 | 1 | |
| Consuello | 2 | 2 | |
| Comanche | 3 | 3 | |

*Time*—1:18½; 1:18½.

RACE No. 8—RUNNING.

For two-year old colts. Purse, one hundred dollars. Sixty per cent to first horse; forty per cent to second. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Joe Dandy, b. g. | J. G. Doty | Santa Barbara. |
| Othello, b. s. | E. R. Den | Santa Barbara. |

SUMMARY.

| | |
|---|---|
| Othello | 1 |
| Joe Dandy | 2 |

*Time*—2:02.

RACE No. 9—TROTTING.

2:40 Class. Purse, two hundred dollars. Sixty per cent to first horse; forty per cent to second. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Electro, blk. s., by Electioneer; dam, Fatima | John Murray, Jr. | Santa Maria. |
| May Queen, br. m., by Enchanter; dam, by Blazing Star | H. Delaney | Santa Barbara. |
| Dixie, b. g., by Norwood | H. W. Lawrence | Santa Barbara. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Electro | 2 | 1 | 1 | 1 |
| May Queen | 1 | 2 | 2 | 2 |
| Dixie | 3 | 3 | 3 | 3 |

*Time*—2:41½; 2:39¾; 2:36½; 2:40.

FRIDAY, AUGUST 31, 1888.

RACE NO. 10—RUNNING.

For the Agricultural Association Cup; value, two hundred dollars. Entry fees to second and third horse, sixty and forty per cent. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Othello, b. s. | E. R. Den | Santa Barbara. |
| Consuello, b. s., by Grinstead; dam, Nina R. | E. R. Den | Santa Barbara. |
| Comanche, b. s., by Musy | Jesse Hill | Lompoc. |
| Ventura Maid, s. m. | L. F. Ruiz | Santa Barbara. |

SUMMARY.

| | |
|---|---|
| Comanche | 1 |
| Othello | 2 |
| Ventura Maid | 3 |

*Time*—1:48¾.

RACE NO. 11—TROTTING.

For named horses. Purse, eighty dollars. Sixty per cent to first horse; forty per cent to second. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Cashmir, b. s., by Sultan; dam, Peri | J. N. Johnson | Santa Barbara. |
| Delta, g. g. | G. F. Ellis | Santa Barbara. |
| Ethan Allen, g. s. | John Murray, Jr. | Santa Maria. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Ethan Allen | 3 | 1 | 1 | 1 |
| Delta | 1 | 2 | 2 | 3 |
| Cashmir | 2 | 3 | 3 | 2 |

*Time*—3:01½; 3:02½; 3:07¼; 3:09.

RACE NO. 12—TROTTING.

Free purse, two hundred and fifty dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Harry Velox, b. g., by Velox | E. R. Den | Santa Barbara. |
| Jim Blaine, blk. g. | P. J. Doyle | San Diego. |

SUMMARY.

| | | | |
|---|---|---|---|
| Harry Velox | 1 | 1 | 1 |
| Jim Blaine | 2 | 2 | 2 |

*Time*—2:27¾; 2:30¼; 2:30½.

SATURDAY, SEPTEMBER 1, 1888.

RACE NO. 13—RUNNING.

Consolation Purse. For beaten horses. One hundred and fifty dollars. Sixty per cent to first horse; forty per cent to second. Mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sid Law, b. g., by Robbery Boy; dam by Creighton | E. R. Den | Santa Barbara. |
| Gen. Logan, b. s. | L. F. Ruiz | Santa Barbara. |
| Ventura Maid, s. m. | B. H. Benson | Santa Barbara. |

SUMMARY.

| | |
|---|---|
| Sid Law | 1 |
| Gen. Logan | 2 |
| Ventura Maid | 3 |

*Time*—1:50.

## LADIES' TOURNAMENT.

WEDNESDAY, AUGUST 29, 1888.

Purse, thirty dollars. First prize, fifteen dollars; second prize, seven dollars and fifty cents; third prize, seven dollars and fifty cents. Three ladies present for competition.

| Name. | Address. |
|---|---|
| Miss A. Sproul | |
| Mrs. Swain | |
| Miss M. Smith | |

SUMMARY.

| | |
|---|---|
| Miss A. Sproul | First Prize. |
| Mrs. Swain | Second Prize. |
| Miss M. Smith | Third Prize. |

# TRANSACTIONS

OF THE

# TWENTY-FIRST DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Merced, Mariposa, and Fresno.

# OFFICERS OF THE ASSOCIATION.

| | |
|---|---|
| Dr. LEWIS LEACH | President. |
| N. I. BALDWIN | Secretary. |
| W. H. McKENZIE | Treasurer. |

## DIRECTORS.

| | |
|---|---|
| WM. HELM | Fresno. |
| S. N. STRAUBE | Fresno. |
| J. H. HAMILTON | Fresno. |
| W. M. HUGHES | Fresno. |

# REPORT.

FRESNO, October 10, 1888.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Twenty-first District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

N. I. BALDWIN, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Gate | $2,991 20 | |
| Grand stand | 520 00 | |
| Privileges | 3,645 45 | |
| Speed entrances | 2,170 00 | |
| Gate | 50 00 | |
| | | $9,376 65 |

*Expenditures.*

| | | |
|---|---|---|
| Paid purses, speed | $4,310 00 | |
| Paid for help, advertising, etc. | 2,569 80 | |
| Paid premiums for fair | 885 50 | |
| | | $7,768 30 |
| Paid for sheds for cattle and box stalls for horses | $1,000 00 | |
| Paid for pavilion on grounds | 4,864 00 | |
| Paid for club house on grounds and furniture | 12,886 00 | |
| | | $18,750 00 |

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBRED HORSES. | | | |
| King Daniel, horse | N. W. Motheral | Hanford | 2d prem. |
| Hubbard, horse | E. W. Richardson | Kings River | |
| Stella Clark, mare | Jo. Davis | Fresno | |
| Serpolette, mare | Owen Bros. | Fresno | |
| Crona, mare | Owen Bros. | Fresno | |
| Jocko, horse | W. L. Ashe | Fresno | 1st prem. |
| Camilla, mare | W. L. Ashe | Fresno | 1st prem. |
| CLASS II—FAMILIES. | | | |
| Dixie | J. H. Brown | Fresno | 1st prem. |
| El Capitan | W. L. Ashe | Fresno | |
| CLASS III—DRAFT HORSES—STALLIONS. | | | |
| Jupiter | S. B. Holton | Selma | |
| Laven | Jo. Davis | Fresno | |
| Illers | P. B. Donahoo | Fresno | 1st prem. |
| Jumbo | P. B. Donahoo | Fresno | 1st prem. |
| Frank | T. Craig | Fresno | |
| Bonanza | J. H. Brown | Fresno | |
| GELDINGS AND MARES. | | | |
| Spy | James Vorhees | Fresno | |
| Nellie | James Vorhees | Fresno | |
| Jane | J. A. Richter | Fresno | 1st prem. |
| CLASS IV—ROADSTERS. | | | |
| Clovis, stallion | S. N. Straube | Fresno | |
| Mattie Consuello, mare | S. N. Straube | Fresno | 1st prem. |
| Seabreeze, stallion | S. B. Holton | Selma | |
| Clifton Belle, mare | L. D. Scott | Fresno | |
| Jay Gee Dee, stallion | J. G. Dawes | Wildflower | |
| Bay Prince, stallion | Geo. Collins | Fresno | |
| Raymond, stallion | D. J. McConnell | Fresno | |
| Daybreak, stallion | J. R. Jones | Fresno | 1st prem. |
| William S, stallion | J. R. Jones | Fresno | |
| Nubian, stallion | S. A. Curley | Fresno | |
| Lily, mare | S. C. Booth | Fresno | |
| Lady Alice, mare | S. C. Booth | Fresno | |
| Joe Bowers, stallion | S. C. Booth | Fresno | |
| Bullet Hawk, stallion | I. A. Hodges | Fresno | |
| Romeo, stallion | Owen Bros. | Fresno | |
| Oliver B, stallion | Owen Bros. | Fresno | 1st prem. |
| El Capitan, stallion | W. L. Ashe | Fresno | 1st prem. |
| Napa Wilkes, stallion | A. F. Baker | Fresno | |
| Blondin, mare | A. F. Baker | Fresno | |
| Record, gelding | I. A. Bell | Fresno | |
| Black Bess, mare | I. A. Hodges | Fresno | |
| CLASS VII—HORSES FOR GENERAL PURPOSES. | | | |
| Ida Davis | S. N. Straube | Fresno | |
| Mattie Consuello | S. N. Straube | Fresno | |
| Theodocia | S. N. Straube | Fresno | |
| Seabreeze | S. B. Holton | Fresno | |
| Jim | L. D. Scott | Clifton | |
| Belle | L. D. Scott | Clifton | |
| Jane | J. A. Richter | Fresno | |
| Noell | Geo. Collins | Fresno | |
| Bay Prince | Geo. Collins | Fresno | |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Frank | T. Craig | Fresno | |
| Black Eagle | L. C. Smith | Fresno | |
| Bonanza | J. H. Brown | Fresno | |
| El Capitan | W. L. Ashe | Fresno | |
| Jocko | W. L. Ashe | Fresno | |
| Betty | W. L. Ashe | Fresno | |
| Terry Filly | W. L. Ashe | Fresno | |
| King Daniel | N. W. Motheral | Hanford | |
| Blondin | A. F. Baker | Fresno | |
| Maude | A. F. Baker | Fresno | |
| Minnie | A. F. Baker | Fresno | |
| Mollie | J. A. Ewing | Fresno | |
| CLASS VIII—COLTS. | | | |
| Millie H | S. N. Straube | Fresno | 1st prem. |
| Elise | S. N. Straube | Fresno | 1st prem. |
| Mattie Consuello | S. N. Straube | Fresno | |
| April Fool | J. H. Walker | Wildflower | |
| Charles | J. A. Richter | Fresno | |
| Sam | J. A. Richter | Fresno | |
| John | J. A. Ewing | Fresno | |
| Tanner Boy | F. W. Wilson | Clifton | |
| Starlight | F. W. Wilson | Clifton | |
| R. E. Lee | M. A. Cotton | Selma | |
| Rattler | D. J. McDonald | Fresno | |
| Jim Slick | D. J. McDonald | Fresno | |
| Frenchman | W. J. Prather | Fresno | |
| Six colts | J. H. Brown | Fresno | |
| Camilla's colt | W. L. Ashe | Fresno | |
| Starboul | Owen Bros. | Fresno | 1st prem. |
| Lady Grace's colt | W. L. Ashe | Fresno | |
| Betty's filly | W. L. Ashe | Fresno | |
| Oregon Nell | W. L. Ashe | Fresno | |
| Maggie | G. W. Beall | Fresno | |
| Lizzie | G. W. Beall | Fresno | |
| | J. G. Dawes | Fresno | 1st prem. |
| | A. Manuel | Fresno | |
| Six colts | S. N. Straube | Fresno | 1st prem. |
| CLASS IX—SWEEPSTAKES. | | | |
| Mattie | S. N. Straube | Fresno | 2d prem. |
| Clovis | S. N. Straube | Fresno | 1st prem. |
| Seabreeze | S. B. Holton | Selma | |
| Jupiter | S. B. Holton | Selma | |
| Mattie Consuello | S. N. Straube | Fresno | 1st prem. |
| Jane | J. A. Richter | Fresno | |
| Sam | J. A. Richter | Fresno | |
| Noell | Geo. Collins | Fresno | |
| Illers | P. B. Donahoo | Fresno | |
| Raymond | D. J. McConnell | Fresno | |
| April Fool | J. H. Walker | Wildflower | |
| El Capitan | W. L. Ashe | Fresno | |
| Jocko | W. L. Ashe | Fresno | |
| Camilla | W. L. Ashe | Fresno | |
| Betty | W. L. Ashe | Fresno | |
| King Daniel | N. W. Motheral | Hanford | 2d prem. |
| CLASS I—CATTLE. | | | |
| Duke Kirklevington | S. N. Straube | Fresno | |
| Fitzwilliam | S. N. Straube | Fresno | |
| 30th Kirklevington | S. N. Straube | Fresno | |
| Daisy's Boy | S. N. Straube | Fresno | |
| Model 2d | S. N. Straube | Fresno | |
| Welcome 3d | S. N. Straube | Fresno | |
| Nevada Belle | S. N. Straube | Fresno | |
| 29th Rose | S. N. Straube | Fresno | |
| Cleveland Best | L. D. Scott | Clifton | |
| Gentle Annie | L. D. Scott | Clifton | |
| Lydia A | L. D. Scott | Clifton | |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Harry | L. D. Scott | Clifton | |
| Brock | L. D. Scott | Clifton | |
| Bonnie Blue Lathy | S. N. Straube | Fresno | |
| 10th Rose Forest Home | S. N. Straube | Fresno | |
| Oxford Rose 4th | S. N. Straube | Fresno | |
| Red Dolly 14th | S. N. Straube | Fresno | |
| Red Dolly 23d | S. N. Straube | Fresno | |
| Red Dolly 30th | S. N. Straube | Fresno | |
| 2d Earlot | A. Heilbron & Bro. | Wildflower | |
| Sir Stanley | A. Heilbron & Bro. | Wildflower | |
| Royal Barrington | A. Heilbron & Bro. | Wildflower | |
| 36th Duke Gloster | A. Heilbron & Bro. | Wildflower | |
| Water Sparkle | A. Heilbron & Bro. | Wildflower | |
| Mabel | A. Heilbron & Bro. | Wildflower | |
| Jessie M | A. Heilbron & Bro. | Wildflower | |
| Viscountess | A. Heilbron & Bro. | Wildflower | |
| Mayflower | A. Heilbron & Bro. | Wildflower | |
| Water Crystal | A. Heilbron & Bro. | Wildflower | |
| Dixie 2d | A. Heilbron & Bro. | Wildflower | |
| Lilly | A. Heilbron & Bro. | Wildflower | |
| Little Wonder | F. G. Berry | Wildflower | |
| Jennie Lee | F. G. Berry | Wildflower | |
| CLASS II. | | | |
| Echo | G. H. Walley | Fresno | |
| —— | Baird Bros. | Fresno | |
| —— | Baird Bros. | Fresno | |
| —— | Baird Bros. | Fresno | |
| —— | Baird Bros. | Fresno | |
| —— | W. J. Prather | Fresno | |
| Franklin | H. S. Pierce | Fresno | |
| Daisy | T. B. Lowry | Fresno | |
| Cutty Sark | Baird Bros. | Fresno | |
| Netherland Dan | Baird Bros. | Fresno | |
| CLASS III—HERDS. | | | |
| —— | S. N. Straube | Fresno | |
| —— | L. D. Scott | Clifton | |
| —— | S. N. Straube | Fresno | |
| —— | A. Heilbron & Bro. | Wildflower | |
| —— | A. Heilbron & Bro. | Wildflower | |
| —— | Baird Bros. | Fresno | |
| CLASS IV—SWEEPSTAKES. | | | |
| 1st Duke of Kirklevington | S. N. Straube | Fresno | |
| Fitzwilliam | S. N. Straube | Fresno | |
| Model 2d | S. N. Straube | Fresno | |
| Oxford Rose 4th | S. N. Straube | Fresno | |
| Welcome 3d | S. N. Straube | Fresno | |
| Red Dolly 3d | S. N. Straube | Fresno | |
| Red Dolly 14th | S. N. Straube | Fresno | |
| 30th Kirklevington | S. N. Straube | Fresno | |
| 2d Earl of Aberdeen | A. Heilbron & Bro. | Wildflower | |
| Sir Stanley | A. Heilbron & Bro. | Wildflower | |
| Mabel | A. Heilbron & Bro. | Wildflower | |
| Water Sparkle | A. Heilbron & Bro. | Wildflower | |
| Family | A. Heilbron & Bro. | Wildflower | |
| Echo | G. H. Walley | Fresno | |
| CLASS XI—HOGS. | | | |
| J. D. Fiske | W. D. Grady | Fresno | |
| —— | W. D. Grady | Fresno | |
| Pen of pigs | W. D. Grady | Fresno | 1st prem. |
| Family | W. D. Grady | Fresno | 1st prem. |
| Chief | F. G. Berry | Fresno | 1st prem. |
| Belle | F. G. Berry | Fresno | 1st prem. |
| Chef | F. G. Berry | Fresno | 1st prem. |
| Pair of pigs | F. G. Berry | Fresno | 1st prem. |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| POULTRY. | | | |
| Plymouth Rocks | L. D. Scott | Clifton | |
| Plymouth Rocks | L. D. Scott | Clifton | 1st prem. |
| Red Game | W. J. Prather | Fresno | 1st prem. |
| Pekin ducks | W. J. Prather | Fresno | 1st prem. |
| Buff Cochins | F. G. Berry | Fresno | 1st prem. |
| Leghorns | J. W. Pew | Fresno | 1st prem. |

## SECOND DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS III—FINE ARTS. | | | |
| Landscape | Mrs. Davidson | Fresno | $3 00 |
| Portrait | Mrs. Dr. Caldwell | Fresno | $3 00 |
| Painting | Mrs. Winters | Fresno | $3 00 |
| Flower | Mrs. Fouts | Fresno | $2 00 |
| Painting | Mrs. Shelton | Fresno | $1 00 |
| Landscape | Mrs. Shelton | Fresno | $2 00 |
| Painting | Mrs. Fouts | Fresno | $2 00 |
| Flower | Mrs. J. S. Johnson | Visalia | $2 00 |
| India ink | Mrs. Dr. Caldwell | Fresno | $2 00 |
| Crayon portrait | Mrs. Shelton | Fresno | $2 00 |
| Drawing | Mrs. J. S. Johnson | Visalia | $2 00 |
| Stamping | Mrs. Burt | Fresno | $2 00 |
| Pastel work | Mrs. Connor | Fresno | $2 00 |
| Sketch | Mrs. Davidson | Fresno | $1 00 |
| Panel | Mrs. Fouts | Fresno | $1 00 |
| Plaque | Mrs. H. L. Yost | Fresno | $1 00 |
| Painting | Mrs. Burt | Fresno | $2 00 |
| Painting | Mrs. Burt | Fresno | $1 00 |
| Painting | Mrs. Winters | Fresno | $2 00 |
| Painting | Mrs. Davidson | Fresno | $2 00 |
| Painting | Mrs. Shelton | Fresno | $2 00 |
| Etching | Mrs. Johnson | Visalia | $2 00 |
| Collection | Mrs. Shelton | Fresno | $20 00 |
| Penmanship | Mrs. J. S. Johnson | Visalia | $2 00 |
| Penmanship | Stock. Bus. College | Stockton | Diploma. |

## THIRD DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS II—TEXTILE FABRICS. | | | |
| Silk | Mrs. Snow | Fresno | $2 00 |
| Kensington | Mrs. Waltz | Fresno | $2 00 |
| Fine work | Mrs. Waltz | Fresno | $21 00 |
| Table scarf | Mrs. Burt | Fresno | $2 00 |
| Etching | Mrs. Grimes | Fresno | $2 00 |
| Satin stitch | Mrs. Fleming | Fresno | $1 00 |
| Embroidery on lace | Mrs. Berry | Fresno | $1 00 |
| | Mrs. Pattison | Fresno | $1 00 |
| Hemstitching | Mrs. Fouts | Fresno | $1 00 |
| Fire screen | Mrs. Snow | Fresno | $2 00 |
| Silk quilt, etc. | Mrs. Waltz | Fresno | $49 00 |
| Silk quilt | Mrs. Thomas | Fresno | $2 00 |
| Silk work | Mrs. Burt | Fresno | $7 00 |
| Shawl | Mrs. Grimes | Fresno | $2 00 |
| Carriage robe | Mrs. Mursterbaugh | Fresno | $2 00 |
| Point lace | Mrs. Snow | Fresno | $1 00 |
| Netting | Mrs. Berry | Fresno | $1 00 |

THIRD DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Tidy | Mrs. Davidson | Fresno | $1 00 |
| Feathers | Mrs. Carter | Fresno | Diploma. |
| | Mrs. Shelton | Fresno | $1 00 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—FURNITURE, ETC. | | | |
| Rugs | D. Crise | Escondido | Diploma. |
| Cutlery | A. Warnekros | Fresno | Diploma. |
| Musical instruments | Baume & Drury | Fresno | Diploma. |
| Furniture | G. W. Thomas | Fresno | Diploma. |
| Furniture | Fresno Furniture Co. | Fresno | Diploma. |
| CLASS II—GUNS, ETC. | | | |
| General display | A. Warnekros | Fresno | Diploma. |
| CLASS III—VEGETABLES. | | | |
| Pumpkin | G. W. Beale | Fresno | $2 00 |
| Squash | G. W. Beale | Fresno | $1 00 |
| Beets | G. W. Beale | Fresno | $1 00 |
| CLASS VI—BREAD, CAKES, AND BUTTER. | | | |
| Bread | Mrs. Granger | Fresno | $1 00 |
| Cake | Mrs. Granger | Fresno | $1 00 |
| Cake | Mrs. Granger | Fresno | $1 00 |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Largest display of raisins | T. C. White | Fresno | $15 00 |
| Chestnuts | T. C. White | Fresno | $3 00 |
| Almonds | T. C. White | Fresno | $3 00 |

# SPEED PROGRAMME.

TUESDAY, SEPTEMBER 25, 1888.

RACE NO. 1—RUNNING.

Six hundred yards and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Black Bess | J. A. Hodges | Fresno. |
| Spring Water | T. B. Lowry | Fresno. |
| Butcher Boy | J. Meyer | Madera. |
| Sleepy Dick | F. N. Starkey | Sacramento. |
| Cyclone | Smith & Howard | Sacramento. |

SUMMARY.

| | |
|---|---|
| Cyclone | 1 |
| Butcher Boy | 2 |
| Black Bess | dis. |

*Time*—0:32½; 0:32½.

RACE NO. 2—TROTTING.

Two-year olds.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Oliver B | Owens Bros. | Fresno. |
| Juanita | S. N. Straube | Fresno. |
| Lida C | J. N. Ayres | Visalia. |
| Prince | Geo. Collins | Fresno. |

SUMMARY.

| | |
|---|---|
| Lida C | 1 |
| Oliver B | 2 |
| Prince | 3 |
| Juanita | 4 |

RACE NO. 3—TROTTING—STALLIONS.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bay Rose | J. N. Ayres | Visalia. |
| Alex Pasha | S. N. Straube | Fresno. |
| Clovis Congressman | S. N. Straube and J. Donahue | Fresno. |
| Barbaro | Owens Bros. | Fresno. |
| Daybreak | J. R. Jones | Fresno. |
| Waterford | C. H. Bowers | Fresno. |

SUMMARY.

| | |
|---|---|
| Bay Rose | 1 |
| Barbaro | 2 |
| Waterford | 3 |

*Time*—2:26; 2:31; 2:31.

---

WEDNESDAY, SEPTEMBER 26, 1888.

RACE NO. 4—RUNNING.

One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bay Bolton | R. Lacey | Fresno. |
| Sir Charles | W. D. Grady | Fresno. |
| Serpolette | Owens Bros. | Fresno. |
| Manzanita | F. Bustellos | Fresno. |

*Time*—1:46¾.

---

RACE NO. 5—TROTTING.

2:30 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lila S | S. N. Straube | Fresno. |
| Barbaro | Owens Bros. | Fresno. |
| Gossiper | C. H. Durfee | Los Angeles. |
| Johnny Hayward | D. Maloney | Fresno. |
| Waterford | C. H. Bowers | Fresno. |

SUMMARY.

| | |
|---|---|
| Gossiper | 1 |
| Barbaro | 2 |
| Johnny Hayward | 3 |

*Time*—2:29½; 2:29½; 2:31; 2:34.

---

RACE NO. 6—TROTTING.

3:00 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bullet Hawk | J. A. Hodges | Fresno. |
| Congressman | J. Donahue | Fresno. |
| Daybreak | J. R. Jones | Fresno. |
| Dart | J. H. Kelly | Los Angeles. |
| Vicking | W. Ober | Los Angeles. |

SUMMARY.

| | |
|---|---|
| Congressman | 1 |
| Daybreak | 2 |
| Vicking | 3 |
| Bullet Hawk | dis. |
| Dart | dis. |

*Time*—2:32½; 2:33½; 2:34.

RACE NO. 7—RUNNING.

One mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Sir Charles | W. D. Grady | Fresno. |
| Elwood | Maltese Villa Stables | Sacramento. |
| Hermes | L. A. Blasingame | Fresno. |
| Oro | Owens Bros. | Fresno. |

SUMMARY.

| | |
|---|---|
| Hermes | 1 |
| Oro | 2 |
| Elwood | 3 |
| Sir Charles | 4 |

THURSDAY, SEPTEMBER 27, 1888.

RACE NO. 8—RUNNING.

Half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Butcher Boy | J. Meyer | Madera. |
| Johnny Gray | Owens Bros. | Fresno. |
| Lida Ferguson | Smith & Howard | Sacramento. |

SUMMARY.

| | |
|---|---|
| Johnny Gray | 1 |
| Butcher Boy | 2 |
| Lida Ferguson | dis. |

RACE NO. 9—RUNNING.

Two-year olds.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Wildflower | A. B. Atwell | Wildflower. |
| Bay Jeff | Oscar Duke | Fresno. |
| Joaquin | F. Bustillos | Fresno. |

SUMMARY.

| | |
|---|---|
| Bay Jeff | 1 |
| Joaquin | 2 |
| Wildflower | dis. |

*Time*—0:53½; 0:53¼.

RACE NO. 10—PACING.

2:29 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Doc | Tom. Snyder | Sacramento. |
| Creole | W. Ober | Sacramento. |
| T B | —. Owens | Fresno. |

SUMMARY.

Creole ..... 1
Little Doc ..... 2
T B ..... dis.

*Time*—2:46; 2:33½; 2:37½; 2:37½.

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FRIDAY, SEPTEMBER 28, 1888.

RACE No. 11—RUNNING.

Three-quarter mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood | Maltese Villa Stables | Sacramento. |
| Susie S | Smith & Howard | Sacramento. |
| Sleepy Dick | F. M. Starkey | Sacramento. |

SUMMARY.

Sleepy Dick ..... 1
Elwood ..... 2
Susie S ..... 3

*Time*—1:17.

---

RACE No. 12—TROTTING.

2:35 Class.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Waterford | C. H. Bowers | Fresno. |
| Vicking | W. Ober | Sacramento. |
| Johnny Hayward | D. Malony | Fresno. |

SUMMARY.

Waterford ..... 1
Johnny Hayward ..... 2
Vicking ..... 3

*Time*—2:27; 2:28; 2:32¼; 2:30.

---

RACE No. 13—TROTTING.

Free for all.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hidalgo | E. O. Miller | Visalia. |
| Bay Rose | J. N. Ayres | Visalia. |
| Emma Temple | H. H. Helman | Fresno. |
| Don Tomas | C. H. Durfee | Los Angeles. |
| Valentine | J. H. Kelly | Los Angeles. |

SUMMARY.

Don Tomas ..... 1
Bay Rose ..... 2
Valentine ..... 3
Hidalgo ..... 4
Emma Temple ..... dis.

*Time*—2:24; 2:23; 2:22; 2:28.

RACE No. 14—RUNNING.

Two miles—Novelty.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Elwood | Maltese Villa Stables | Sacramento. |
| Oro | Owen Bros. | Fresno. |
| Sir Charles | W. D. Grady | Fresno. |
| Manzanita | F. Bustillos | Fresno. |

SUMMARY.

| | |
|---|---|
| Elwood | One mile, one and one half miles, two miles. |
| Manzanita | One half mile. |

*Time*—3:40.

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SATURDAY, SEPTEMBER 29, 1888.

RACE No. 15—TROTTING.

Yearlings.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Richmond Chief | J. Crawford | Fresno. |
| Lizzie Thorn | S. N. Straube | Fresno. |
| Otto T | J. N. Ayres | Visalia. |
| Stella B | T. Bradon | Fresno. |

SUMMARY.

| | |
|---|---|
| Stella B | 1 |
| Lizzie Thorn | 2 |
| Otto T | 3 |
| Richmond Chief | 4 |

*Time*—1:42½; 1:39¾.

---

RACE No. 16—SPECIAL TROTTING.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hidalgo | E. O. Miller | Visalia. |
| Gossiper | C. H. Durfee | Los Angeles. |
| Ed | A. T. Jackson | Los Angeles. |
| Emma Temple | H. H. Helman | Fresno. |

SUMMARY.

| | |
|---|---|
| Emma Temple | 1 |
| Hidalgo | 2 |
| Ed | 3 |
| Gossiper | 4 |

*Time*—2:29; 2:28½; 2:30½.

RACE NO. 17—RUNNING.

Six hundred yards.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Spring Water | T. B. Lowry | Fresno. |
| Lida Ferguson | Smith & Howard | Sacramento. |
| Johnny Gray | Owens Bros. | Fresno. |

SUMMARY.

| | |
|---|---|
| Johnny Gray | 1 |
| Spring Water | 2 |
| Lida Ferguson | 3 |

*Time*—0:33.

---

RACE NO. 18—RUNNING.

Saddle race. One fourth mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Carl | | |
| Mattie | | |
| Black Bess | | |
| Jack | | |

SUMMARY.

| | |
|---|---|
| Black Bess | 1 |
| Jack | 2 |
| Mattie | 3 |
| Carl | 4 |

*Time*—0:24.

# TRANSACTIONS

OF THE

# TWENTY-FIFTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Solano and Napa.

# OFFICERS OF THE ASSOCIATION.

F. W. LOEBER ..... President.
A. H. CONKLING ..... Secretary.
W. J. McCOLLUM ..... Treasurer.

## DIRECTORS.

M. M. ESTEE ..... Napa.
NATHAN COOMBS ..... Napa.
JOHN EVEN ..... Napa.
F. W. LOEBER ..... St. Helena.
L. W. BUCK ..... Vacaville.
A. T. HATCH ..... Suisun.
JAMES CLYNE ..... Benicia.
E. E. LEAKE ..... Dixon.

# REPORT.

NAPA CITY, January 1, 1889.

*To the honorable the State Board of Agriculture:*

GENTLEMEN: The Directors of the Twenty-fifth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

A. H. CONKLING, Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| From trotters and runners—entries | $2,545 00 | |
| From pool privileges | 1,288 50 | |
| From sundry privileges | 889 25 | |
| From hack and bus licenses | 255 00 | |
| From tickets at fair grounds | 3,174 40 | |
| From tickets at pavilion | 1,406 25 | |
| From tickets at grand stand | 854 90 | |
| From State appropriation | 1,250 00 | |
| | | $11,663 30 |

*Expenditures.*

| | | |
|---|---|---|
| For purses—trotters and runners | $7,537 50 | |
| For premiums | 1,288 00 | |
| For music | 265 00 | |
| For printing and advertising | 205 75 | |
| For rent of pavilion | 210 00 | |
| For lumber for pavilion | 233 37 | |
| For miscellaneous accounts | 1,027 14 | |
| Balance on hand | 896 54 | |
| | | $11,663 30 |

Outstanding bills for 1888, due for entries unpaid, amounting to $200, not included in the above report.

# PREMIUMS AWARDED—1888.

## FIRST DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS I—THOROUGHBREDS—STALLIONS. | | | |
| Three years old | B. C. Holly | Vallejo | $9 00 |
| One year old | B. C. Holly | Vallejo | $5 00 |
| MARES. | | | |
| Four years old or over | B. C. Holly | Vallejo | $8 00 |
| Four years old or over | B. C. Holly | Vallejo | $5 00 |
| Three years old | B. C. Holly | Vallejo | $6 00 |
| Three years old | B. C. Holly | Vallejo | $4 00 |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | | |
| Four years old or over | B. C. Holly | Vallejo | $12 00 |
| Four years old or over | Chas. Scott | Napa | $6 00 |
| Two years old | Mrs. S. Skinner | Napa | $7 00 |
| One year old | Mrs. S. Skinner | Napa | $5 00 |
| One year old | Mrs. S. Skinner | Napa | R. R. |
| Under one year | F. L. Coombs | Napa | $3 00 |
| Under one year | Mrs. S. Skinner | Napa | R. R. |
| MARES. | | | |
| Four years old or over | F. L. Coombs | Napa | $8 00 |
| Four years old or over | Mrs. S. Skinner | Napa | $5 00 |
| Two years old | Mrs. S. Skinner | Napa | $5 00 |
| One year old | Mrs. S. Skinner | Napa | $3 00 |
| One year old | T. C. Drake | Vallejo | R. R. |
| Under one year | B. C. Holly | Vallejo | R. R. |
| Under one year | T. C. Drake | Vallejo | R. R. |
| CLASS III—ROADSTERS—STALLIONS. | | | |
| Four years old or over | T. B. Edington | Rutherford | $12 00 |
| Four years old or over | E. McGary | Suisun | $6 00 |
| Four years old or over | C. Reames | Suisun | $3 00 |
| Three years old | J. W. Smittle | Monticello | $9 00 |
| Stallion showing five colts | C. Reames | Suisun | $15 00 |
| Stallion, four years old or over showing best five colts | B. C. Holly | Vallejo | $15 00 |
| MARES. | | | |
| Four years old or over | P. H. Lennon | Napa | $8 00 |
| Four years old or over | J. Landrigan | Napa | $4 00 |
| Four years old or over | Mrs. S. Skinner | Napa | $2 00 |
| CLASS IV—CARRIAGE, SADDLE, AND GENTLEMEN'S ROADSTERS. | | | |
| Pair of mares to pole | H. W. Crabb | Oakville | $10 00 |
| Pair of mares to pole | T. C. Drake | Vallejo | $5 00 |
| Carriage team | R. M. Wheeler | St. Helena | $10 00 |
| Pair of geldings to pole | T. C. Chapman | Napa | $5 00 |
| Pair of geldings to pole | Wm. Imrie | Napa | $2 50 |
| Saddle mare | Mrs. T. C. Drake | Vallejo | $5 00 |
| Saddle mare | Drury Melone | Napa | $2 50 |
| Special roadsters | Geo. S. McKenzie | Monticello | $5 00 |
| CLASS V—DRAFT HORSES—STALLIONS. | | | |
| Four years old or over | P. D. Walsh | Vallejo | $12 00 |
| Two years old | J. W. Grigsby | Napa | $7 00 |
| One year old | K. Sackett | Napa | $5 00 |
| Under one year | A. McKenzie | Napa | $3 00 |

FIRST DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| MARES. | | | |
| Four years old or over | K. Sackett | Napa | $8 00 |
| Four years old or over | J. T. Grigsby | Napa | $5 00 |
| Three years old | K. Sackett | Napa | $6 00 |
| Two years old | V. Posten | Napa | $5 00 |
| Under one year | K. Sackett | Napa | $2 50 |
| Pair of draft horses (special) | A. McKenzie | Napa | $5 00 |
| CLASS VI—GENERAL PURPOSES—STALLIONS. | | | |
| Three years old or over | Chas. Scott | Napa | $12 00 |
| Three years old or over | P. H. Lennon | Napa | $6 00 |
| Three years old or over (special) | F. Brughelli | Napa | $6 00 |
| Three years old or over (special) | F. Brughelli | Napa | $6 00 |
| Two years old | J. T. Grigsby | Napa | $8 00 |
| Two years old | G. W. McDonald | St. Helena | $4 00 |
| One year old | T. B. Edington | Rutherford | $2 50 |
| One year old | Wm. Imrie | Napa | R. R. |
| Under one year | F. Brughelli | Napa | $3 00 |
| Under one year | T. B. Edington | Rutherford | R. R. |
| MARES. | | | |
| Three years old or over | Mrs. T. C. Drake | Vallejo | $10 00 |
| Three years old or over | T. B. Edington | Rutherford | $5 00 |
| CLASS VII—JACKS, JENNIES, AND MULES. | | | |
| Jack, three years old or over | S. Newcomer | Pope Valley | $10 00 |
| Jenny, three years old or over | Mrs. S. Clark | Monticello | $8 00 |
| Jenny, three years old or over | Mrs. S. Clark | Monticello | R. R. |
| Colt, one year old | J. W. Reames | Suisun | $2 50 |
| Colt, four months old | Gracie Reames | Suisun | $2 50 |
| Mare, four years old | L. D. Durbin | Cordelia | $5 00 |
| Colt, under one year | L. D. Durbin | Cordelia | $2 50 |
| Colt | J. M. Thompson | Napa | $2 50 |

## SECOND DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS VIII—CATTLE—SHORTHORNS. | | | |
| Bull, three years old or over | J. M. Mansfield | Napa | $10 00 |
| Bull, three years old or over | A. Clark | Monticello | $5 00 |
| Bull, two years old | A. Clark | Monticello | $8 00 |
| Bull, one year old | Chas. Scott | Napa | $5 00 |
| CLASS XII—POLLED ANGUS. | | | |
| Bull, three years old or over | Frisbie Bros. & Bailey | Suisun | $10 00 |
| Bull, under one year | Frisbie Bros. & Bailey | Suisun | $2 00 |
| Cow, three years old or over | Frisbie Bros. & Bailey | Suisun | $8 00 |
| Cow, three years old or over | Frisbie Bros. & Bailey | Suisun | $4 00 |
| CLASS XVIII—HOLSTEINS. | | | |
| Bull, three years old or over | J. W. Grigsby | Napa | $10 00 |
| CLASS XX—JERSEYS AND GUERNSEYS. | | | |
| Cow, three years old or over | S. Strong | Napa | $8 00 |
| Cow, three years old or over | S. Strong | Napa | $5 00 |
| CLASS XXII—GRADED CATTLE. | | | |
| Cow, three years old or over | Chas. Dixon | Napa | $10 00 |
| Bull, two years old | J. M. Mansfield | Napa | $4 00 |

SECOND DEPARTMENT—Continued.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS XXIX—SHEEP. | | | |
| Ram, Down, two years old or over | Wm. Middleton | Napa | $6 00 |
| Three ewes, Down, two years old or over | Wm. Middleton | Napa | $5 00 |
| Three ewes, Shropshire, two years old or over | Wm. Middleton | Napa | $2 50 |
| Three ewes, Down, two years old or over | Wm. Middleton | Napa | $2 50 |
| CLASS XXX—SWINE. | | | |
| Boar, Berkshire, one year old or over | A. Clark | Monticello | $6 00 |
| Boar, Poland, one year old or over | A. Clark | Monticello | $6 00 |
| Boar, Poland, one year old or over | F. Brughelli | Napa | $3 00 |
| Sow, China, one year old or over | F. Brughelli | Napa | $5 00 |
| Sow, China, and five pigs | F. Brughelli | Napa | $6 00 |

## THIRD DEPARTMENT.

| Name of Animal. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS XXXIII—POULTRY. | | | |
| Pair of Light Brahma fowls | W. C. Damon | Napa | $2 00 |
| Pair of Light Brahma chicks | W. C. Damon | Napa | $1 00 |
| CLASS XXXVII. | | | |
| Pair of Plymouth Rock fowls | J. W. Grigsby | Napa | $2 00 |
| Pair of Plymouth Rock chicks | J. W. Grigsby | Napa | $1 00 |
| CLASS XXXVIII. | | | |
| Pair of Wyandotte fowls | W. C. Damon | Napa | $2 00 |
| Pair of Wyandotte chicks | W. C. Damon | Napa | $1 00 |
| CLASS XLI. | | | |
| Pair of White Leghorn chicks | W. C. Damon | Napa | $1 00 |
| Pair of Brown Leghorn fowls | W. C. Damon | Napa | $2 00 |
| Pair of Brown Leghorn chicks | W. C. Damon | Napa | $1 00 |
| CLASS L. | | | |
| Pair of Bantam fowls | F. A. Buck | Napa | $2 00 |
| Pair of Bantam chicks | Wm. Imrie | Napa | $1 00 |
| CLASS LII. | | | |
| Pair of Bronze turkeys | H. Hagen | Napa | $3 00 |
| CLASS LVII. | | | |
| Pair of Toulouse geese | H. Hagen | Napa | $2 50 |
| CLASS LIX. | | | |
| Pair of Embden geese | Wm. Imrie | Napa | $2 50 |
| MISCELLANEOUS—SPECIAL. | | | |
| Guinea fowls | H. Hagen | Napa | $2 50 |
| Pair Langshan fowls | J. M. Mansfield | Napa | $2 50 |

## FOURTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXI. | | | |
| Best ten ears of white corn | J. M. Thompson | Napa | $1 00 |
| Best ten ears of yellow corn | J. W. Smittle | Monticello | $1 00 |
| Best five stalks of popcorn | J. D. Groth | Napa | $1 00 |
| Best corn on stalks | Geo. Griffith | St. Helena | $1 00 |
| Best sheaf of oats | J. W. Smittle | Monticello | $1 00 |
| Best sack of oats | J. W. Smittle | Monticello | $2 00 |
| Best sack of rye | A. V. Evans | Napa | $2 00 |
| Best sack of white wheat | Wm. Imric | Napa | $2 00 |
| Best sheaf of wheat | J. W. Smittle | Monticello | $1 00 |
| Best corn on stalk | W. Boyce | Napa | $1 00 |
| CLASS LXII. | | | |
| Best six blood beets | L. M. Turner | Napa | $1 00 |
| Best six sugar beets | L. M. Turner | Napa | $1 00 |
| Best exhibit of beans | J. M. Thompson | Napa | $2 00 |
| Best exhibit of celery | J. Rossi | Napa | $1 00 |
| Best exhibit of carrots | J. Rossi | Napa | $1 00 |
| Best exhibit of cabbage | J. Rossi | Napa | $1 00 |
| Best exhibit of cauliflower | J. Rossi | Napa | $1 00 |
| Best exhibit of egg plant | J. M. Thompson | Napa | $1 00 |
| Best exhibit of mangel-wurzel beets | J. M. Thompson | Napa | $1 00 |
| Best collection of potatoes | J. M. Thompson | Napa | $5 00 |
| Best single variety of potatoes | J. M. Thompson | Napa | $2 00 |
| Best exhibit of pumpkins | J. W. Grigsby | Napa | $2 00 |
| Best exhibit of peas | A. V. Evans | Napa | $1 00 |
| Best exhibit of squashes | J. M. Thompson | Napa | $2 00 |
| CLASS LXIII. | | | |
| The largest and best collection of fruit raised in one orchard | J. M. Thompson | Napa | $15 00 |
| Second largest and best collection of fruit raised in one orchard | Mrs. R. E. F. Moore | Napa | $5 00 |
| Best exhibit of apples, not less than six varieties | Mrs. R. E. F. Moore | Napa | $5 00 |
| Best single variety of six apples | A. V. Evans | Napa | $2 00 |
| Best six varieties of apples, five each | Mrs. R. E. F. Moore | Napa | $3 00 |
| Best collection of pears, not less than six varieties | Mrs. R. E. F. Moore | Napa | $5 00 |
| Best single variety of six pears | John W. Smittle | Monticello | $2 00 |
| Best exhibit of peaches, not less than three varieties | J. M. Thompson | Napa | $5 00 |
| Best single variety of six peaches | L. C. Chapman | Napa | $2 00 |
| Best exhibit of plums, not less than three varieties | J. M. Thompson | Napa | $5 00 |
| Best six quinces | A. McKenzie | Napa | $2 00 |
| Best collection of wine grapes raised in one vineyard | H. W. Crabb | Oakville | $10 00 |
| Second best collection of wine grapes raised in one vineyard | C. King | St. Helena | $7 00 |
| Best exhibit of table grapes raised in one vineyard | T. H. Epley | Napa | $10 00 |
| Second best exhibit of table grapes raised in one vineyard | Mrs. D. R. Hunt | Napa | $7 00 |
| Best collection of figs | J. M. Thompson | Napa | $2 00 |
| Best collection of almonds | Smith Brown | Napa | $2 00 |
| Best collection of English walnuts, five pounds | J. W. Grigsby | Napa | $2 00 |
| Best exhibit of watermelons | A. V. Evans | Napa | $1 00 |
| Best exhibit of muskmelons | J. M. Thompson | Napa | $1 00 |
| Best exhibit of cantaloupes | J. M. Thompson | Napa | $1 00 |
| Best general exhibit—Special award | C. Lulwes | Napa | $10 00 |
| Special premium—Salway peaches | W. A. Fisher | Napa | $1 00 |
| Honorable mention—Black and white figs | Mrs. Salmina | Napa | |
| Best exhibit of canned corn | Mrs. J. J. Swift | Napa | $2 00 |
| Best exhibit of Japanese persimmons | J. W. Grigsby | Napa | $1 00 |

FOURTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXIV. | | | |
| Best exhibit of kiln-dried fruit | J. W. Roberts | Calistoga | $5 00 |
| Best exhibit of sun-dried fruit | J. M. Thompson | Napa | $3 00 |
| Best exhibit of sun-dried apples, two varieties, five pounds each | J. M. Thompson | Napa | $2 00 |
| Best exhibit of kiln-dried peaches, two varieties | J. W. Roberts | Calistoga | $3 00 |
| Best exhibit of sun-dried peaches, two varieties, five pounds each | J. M. Thompson | Napa | $2 00 |
| Best exhibit of kiln-dried plums, two varieties, five pounds each | J. W. Roberts | Calistoga | $3 00 |
| Best exhibit of sun-dried plums, two varieties, five pounds each | J. M. Thompson | Napa | $2 00 |
| Best exhibit of kiln-dried prunes, two varieties, five pounds each | J. W. Roberts | Calistoga | $3 00 |
| Best exhibit of dried figs | A. V. Evans | Napa | $3 00 |
| Best exhibit of domestic canned fruit, five varieties | Mrs. F. W. Smythe | Napa | $2 00 |
| Best exhibit of jellies, five varieties | Mrs. L. Coates | Napa | $2 00 |
| Best exhibit of preserves, three varieties | Mrs. H. A. Moore | Napa | $3 00 |
| Best exhibit of pickles, three varieties | Mrs. W. C. Damon | Napa | $2 00 |
| Best exhibit of catsup, three bottles | Mrs. H. A. Moore | Napa | $1 50 |
| Best exhibit of sun-dried prunes | H. L. Gibbs | Calistoga | $2 00 |
| CLASS LXV. | | | |
| Best ten rolls of fresh butter | F. Brughelli | Napa | $5 00 |
| Second best ten rolls of fresh butter | J. W. Grigsby | Napa | $3 00 |

## FIFTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXVI—WHITE DRY WINES. | | | |
| Best Riesling wine | Chas. Krug | St. Helena | $5 00 |
| Second best Riesling wine | H. W. Crabb | Oakville | $2 50 |
| Best Hock wine | Chas. Krug | St. Helena | $5 00 |
| Second best Hock wine | Chas. Krug | St. Helena | $2 50 |
| Best Sauterne wine | H. W. Crabb | Oakville | $5 00 |
| Second best Sauterne wine | Chas. Krug | St. Helena | $2 50 |
| Best exhibit of any other variety | H. W. Crabb | Oakville | $5 00 |
| Second best exhibit of any other variety | H. W. Crabb | Oakville | $2 50 |
| Sweepstake premium on best wine of above varieties | H. W. Crabb | Oakville | $10 00 |
| RED WINES. | | | |
| Best Burgundy wine | A. Brun & Co. | Rutherford | $5 00 |
| Second best Burgundy wine | H. W. Crabb | Oakville | $2 50 |
| Best Bordeaux wine | H. W. Crabb | Oakville | $5 00 |
| Second best Bordeaux wine | M. M. Estee | Napa | $2 50 |
| Best Zinfandel wine | A. Brun & Co. | Rutherford | $5 00 |
| Second best Zinfandel wine | Chas. Krug | St. Helena | $2 50 |
| Best exhibit of this variety | Chas. Krug | St. Helena | $5 00 |
| Second best exhibit of this variety | H. W. Crabb | Oakville | $2 50 |
| Sweepstake premium for best wine of this variety | H. W. Crabb | Oakville | $10 00 |
| Second sweepstake premium for best wine of this variety | M. M. Estee | Napa | $5 00 |
| SWEET WINES. | | | |
| Special premium on Tokay wine | H. W. Crabb | Oakville | $3 00 |
| Best Angelica wine | H. Hagen | Napa | $3 00 |
| Best Muscatel wine | H. W. Crabb | Oakville | $3 00 |
| Best Malaga wine | H. W. Crabb | Oakville | $3 00 |
| Best Madeira wine | H. W. Crabb | Oakville | $3 00 |
| Best Port, one year old | H. Hagen | Napa | $3 00 |

FIFTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best Port, two years old | H. W. Crabb | Oakville | $3 00 |
| Best Port of any age | H. W. Crabb | Oakville | $3 00 |
| Best Sherry | H. W. Crabb | Oakville | $3 00 |
| BRANDIES. | | | |
| Best grape brandy, vintage of 1887 | H. W. Crabb | Oakville | $3 00 |
| Best grape brandy, vintage of 1886 | H. W. Crabb | Oakville | $3 00 |
| Best grape brandy, any age | H. W. Crabb | Oakville | $3 00 |
| Special premium on blackberry brandy | H. W. Crabb | Oakville | $3 00 |

## SIXTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best exhibit of carriages, buggies, and wagons | O. L. Henderson | Vallejo | $10 00 |
| Best carriage painting | Wm. Hunter | Napa | $5 00 |
| Best carriage trimming | O. L. Henderson | Vallejo | $5 00 |
| Best ironed buggy | Fowler & Son | Napa | $3 00 |
| Best set of double harness | J. Jepsen | Napa | $7 00 |
| Best set of single harness | J. Jepsen | Napa | $5 00 |
| Best saddle | J. Jepsen | Napa | $2 50 |
| Best silk cocoons | Jane Dadd | St. Helena | $5 00 |
| Best exhibit of leather | Sawyer Tan'ing Co. | Napa | Dip., $5 |
| Best exhibit of woolen goods | Napa Woolen Mills | Napa | Dip., $5 |
| Best pair of blankets | Napa Woolen Mills | Napa | $3 00 |
| Best exhibit of glue | Eugene Dunck | Napa | $3 00 |
| Best exhibit of California woods, polished | W. P. Corlett & S'ns | Napa | $3 00 |
| Best wood turning | W. P. Corlett & S'ns | Napa | $2 00 |
| Best mill work | W. P. Corlett & S'ns | Napa | Dip., $5 |
| Best compasses | Wm. Stephens | Napa | $2 00 |
| Best model gate | Tull & Lightner | Napa | Diploma. |
| Special for best express wagon, sweepstake premium | N. Howe | Napa | $2 00 |
| Best home manufactured buggy | G. A. Wright | Napa | $2 00 |
| Best exhibit of trees grown without irrigation (first premium) | L. Coates | Napa | Diploma. |

## SEVENTH DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| CLASS LXXIII. | | | |
| Best specimen of needlework, ten varieties | Mrs. W. C. S. Smith | Napa | $15 00 |
| Second best specimen of needlework, ten varieties | Mrs. A. W. Norton | Napa | $5 00 |
| Best family machine sewing | Mrs. W. C. S. Smith | Napa | $3 00 |
| Best silk embroidery on silk, velvet, etc. | Fannie Briggs | Napa | $3 00 |
| Best worsted embroidery | Mrs. J. M. Thompson | Napa | $2 50 |
| Best embroidery on lace | Mrs. A. W. Norton | Napa | $2 00 |
| Best point lace work | Mrs. J. Crosbie | Napa | $2 00 |
| Best etching | Clara Wyatt | Rutherford | $2 00 |
| Best embroidered sofa cushion | Mrs. A. W. Norton | Napa | $2 00 |
| Best embroidered fire screen | Annie Jones | Napa | $3 00 |
| Best kensington or satin stitch work in chenille | Mrs. A. W. Norton | Napa | $2 00 |
| Best kensington work in crewel | Mrs. A. W. Norton | Napa | $2 00 |
| Best crochet work in silk | Mrs. A. W. Norton | Napa | $2 00 |
| Best crochet work in cotton | Minnie Smith | Napa | $2 00 |
| Best Spanish lace | Mrs. H. F. Norton | Napa | $2 00 |

SEVENTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best guimpure lace work | Miss B. Hathaway | Napa | $2 00 |
| Best transferred work | Carrie Stockmon | Napa | $2 00 |
| Best crazy silk patchwork | Mrs. Jas. Crosbie | Napa | $1 50 |
| Best lambrequin | Miss E. Hargrave | Napa | $2 00 |
| Best arrasene work | Mrs. G. T. Smith | Napa | $2 00 |
| Best ribbon work | Mrs. J. Q. Greenwood | Napa | $2 00 |
| Best afghan | Mrs. S. E. Holden | Napa | $2 00 |
| Best toilet set, not less than three pieces | Mrs. H. F. Norton | Napa | $2 00 |
| Best crochet shawl | Mrs. C. Baxter | Napa | $2 00 |
| Best tatting | Mrs. H. F. Norton | Napa | $1 00 |
| Best netting | Mrs. J. M. Thompson | Napa | $2 00 |
| Best display of hand-knit underwear | Mrs. L. A. Maxwell | Napa | $2 00 |
| Best hearth rug | Mrs. A. McKenzie | Napa | $2 00 |
| Best pair of stockings | Mrs. A. W. Norton | Napa | $2 00 |
| Best fancy table scarf | Mrs. W. H. Gibbs | Napa | $2 00 |
| Best fancy knitting | Mrs. C. Pearch | Napa | $2 00 |
| Best knit quilt | Mrs. A. V. Evans | Napa | $2 00 |
| Best silk quilt | Mrs. McFee | Napa | $2 00 |
| Best quilting | Mrs. D. R. Hunt | Napa | $2 00 |
| Best sofa pillow | Mamie Wakerly | Napa | $1 50 |
| Best baby's dress | Mrs. W. C. S. Smith | Napa | $2 50 |
| Best gent's shirt | Mrs. W. C. S. Smith | Napa | $2 00 |
| Best rag carpet | Mrs. E. E. Sawyer | Napa | $2 00 |
| Best Spanish drawn work | Mrs. M. W. Dodd | Napa | $2 50 |
| Best general exhibit in this department | Mrs. J. W. McFudgen | Dixon | $5 00 |
| Best general exhibit of crochet and etching | Mrs. G. Wright | Napa | $3 00 |
| Best paper flowers | Miss B. Heegler | Napa | $1 00 |
| CLASS LXXIV. | | | |
| Best corn bread | Miss J. Rider | Napa | $3 00 |
| Best fruit cake | Mrs. H. A. Moore | Napa | $3 00 |
| Best pound cake | Mrs. H. A. Moore | Napa | $3 00 |
| Best sponge cake | Miss J. Rider | Napa | $3 00 |
| Best coffee cake | Miss G. Brownlee | Vallejo | $3 00 |
| Best assortment of tarts | Mrs. H. A. Moore | Napa | $3 00 |
| Best general exhibit in this class by one person | Mrs. H. A. Moore | Napa | $10 00 |
| CLASS LXXV. | | | |
| Best exhibit of needlework, three pieces | Miss C. Stockmon | Napa | $5 00 |
| Best crochet work | Miss C. Stockmon | Napa | $2 00 |
| Best transferred work | Miss C. Stockmon | Napa | $2 00 |
| Best etching | Miss C. Nichols | Napa | $2 00 |
| Best crazy patchwork | Miss M. Keller | Napa | $2 00 |
| Best crayon drawing | Miss Ethel Francis | Napa | $2 00 |
| Best hair work | Miss J. Q. Greenwood | Napa | $2 00 |
| Best sponge cake | Miss G. Brownlee | Vallejo | $2 00 |
| Best exhibit of bread baking | Annie Van Auken | Napa | $2 00 |
| Best wheat bread | Olive Pearch | Napa | $3 00 |
| Best Boston brown bread | Josie Rider | Napa | $3 00 |
| CLASS LXXVI. | | | |
| Best collection of paintings | Miss Lillie Fowler | Napa | $10 00 |
| Most extensive collection, with greatest variety of subjects | Miss C. Damon | Napa | $7 50 |
| Best collection of fruit paintings from nature | Mrs. L. Coates | Napa | $7 50 |
| Best oil painting | Miss Lillie Fowler | Napa | $5 00 |
| Second best oil painting | Miss M. Buford | Napa | $2 50 |
| Best painting on satin | Mrs. G. T. Smith | Napa | $5 00 |
| Best portrait in oil | Miss L. B. Kimball | Napa | $5 00 |
| Second best portrait in oil | Mrs. G. K. Drew | Yountville | $2 50 |
| Best portrait in water colors | Miss Lillie Fowler | Napa | $5 00 |
| Best portrait in crayon | Miss Annie Dixon | St. Helena | $5 00 |

SEVENTH DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Second best portrait in crayon | Miss G. Norton | Napa | $2 50 |
| Best portrait in pastel | Miss Etta Boothe | Napa | $5 00 |
| Best figure painting in oil | Miss Susie Claus | Napa | $5 00 |
| Chinese painting (special) | Miss G. Norton | Napa | $5 00 |
| Best painting in water colors | Miss Lillie Fowler | Napa | $3 00 |
| Second best painting in water colors | Miss V. R. Tays | Napa | $2 00 |
| Best landscape painting | Miss K. Even | Napa | $5 00 |
| Second best landscape painting | Mrs. C. L. Wines | Napa | $2 50 |
| Best marine painting | Miss M. Buford | Napa | $5 00 |
| Second best marine painting | Mrs. L. Coates | Napa | $2 50 |
| Best flower painting in oil | Miss M. Fowler | Napa | $5 00 |
| Best porcelain painting | Mrs. G. T. Smith | Napa | $3 00 |
| Second best porcelain painting | Miss F. Shamp | Napa | $2 00 |
| Best oil painting on wood | Miss M. Buford | Napa | $5 00 |
| Second best oil painting on wood | L. E. Ray | Napa | $2 50 |
| Best kensington painting | Mrs. A. W. Norton | Napa | $2 50 |
| Best luster painting | Olive Pearch | Napa | $2 00 |
| Best collection of photographs | J. W. Baker | Napa | $5 00 |
| Best specimen of pencil drawing | Maud Fowler | Napa | $2 00 |
| Best specimen of crayon drawing | Maud Fowler | Napa | $2 00 |
| Second best specimen of crayon drawing | Mrs. C. Wines | Napa | $1 50 |
| Best sketching from nature | Miss C. Damon | Napa | $3 00 |
| Best specimen of hair jewelry | Mrs. J. Q. Greenwood | Napa | $2 00 |
| Best specimen of feather work | Mrs. T. T. Belknap | Napa | $2 00 |
| Best specimen of wax flowers | Mrs. J. Q. Greenwood | Napa | $3 00 |
| Best specimen of moss work | Mrs. D. King | Napa | $2 00 |
| Best cabinet of minerals, etc. | C. Lulwes | Napa | Diploma. |
| Best juvenile oil painting | Sylvia Clifford | Napa | $2 00 |
| Best juvenile crayon drawing | Jas. Flamant | Napa | $2 00 |

## SPECIAL PRIZES AWARDED.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Two pieces fancy paper work | Miss A. Dunigan | St. Helena | $2 00 |
| Tapestry banner painting | Miss Etta Boothe | Napa | $2 00 |
| Silk quilt | Mrs. J. B. Horrell | Napa | $2 00 |
| Pair knit pillow shams | Mrs. J. Grigsby | Napa | $2 00 |
| Crazy quilt | Mrs. Jas. Crosbie | Napa | $2 00 |
| Card fancy pompons | Mrs. G. F. Walker | Napa | $2 00 |
| Fancy painted banner | Annie James | Napa | $2 00 |
| Plush banner | Annie James | Napa | $2 00 |
| Crochet skirt | Mrs. L. Chapman | Napa | $2 00 |
| Fascinator | Mrs. R. Crouch | Napa | $2 00 |
| Point lace work | Mrs. M. Lucas | Napa | $2 00 |
| Cotton crochet lace | Bertha Heegler | Napa | $2 00 |
| Spanish drawn work | Miss J. Grigsby | Napa | $2 00 |
| Cotton crochet spread | Neilie Sanders | Napa | $2 00 |
| Silk patchwork quilt | Mrs. T. B. McClure | Napa | $1 00 |
| Crazy quilt | Mrs. H. F. Norton | Napa | $1 00 |
| Crazy quilt | Mrs. L. A. Maxwell | Napa | $1 00 |
| Crazy quilt | Miss Katie Even | Napa | $1 50 |
| Buggy robe | Miss Lillie Even | Napa | $1 00 |
| Picture | F. Mauredt | Napa | $1 00 |
| Log cabin quilt | Miss L. Calderwood | Napa | $2 50 |

## MISCELLANEOUS LIST.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best nectarines | L. M. Turner | Napa | $2 00 |
| Best apricots | L. M. Turner | Napa | $2 00 |
| Best six cans of corn | Mrs. J. J. Swift | Napa | $2 00 |
| Boxes olives and orange plants | A. Flamant | Napa | Diploma. |
| Guinea pigs and family | H. Stephens | Napa | $1 00 |
| Sheaf of oats | H. Sievens | Rutherford | $2 00 |
| Hand-carved wood work | Miss F. Shamp | Calistoga | $5 00 |
| One string of buttons (1,575) | Miss E. Bickford | Napa | $1 00 |
| Three specimens of pomegranates | Mrs. H. A. Moore | Napa | $1 00 |
| One case of birds eggs | R. Buck | Napa | $1 00 |
| One string of buttons (1,545) | Miss Ella Rider | Napa | $1 00 |
| Two boxes of fancy fish scale flowers | Miss T. VanSchiele | Calistoga | $5 00 |
| Model derrick | Geo. Rounds | Vallejo | $2 00 |
| Spanish bridle | I. M. Henderson | Napa | $2 50 |
| Sorgham cattle food | J. T. Grigsby | Napa | Diploma. |
| Best exhibit of Napa and sweet sodas | M. Silva | Napa | Diploma. |
| Best exhibit of silver brick and mineral ores produced in Napa County | R. F. Grigsby | Napa | Diploma. |
| Best exhibit of hardware, etc. | James & Son | Napa | $5 00 |
| Best exhibit of grain, flour, etc. | A. Hatt | Napa | Diploma. |
| Best exhibit of horseshoes | F. M. Denio | Vallejo | $5 00 |
| Second best exhibit of horseshoes | Wm. Hunter | Napa | $2 50 |
| Best exhibit of fancy sewing on the Domestic sewing machine | J. H. Johnson | Napa | Diploma. |
| Best exhibit of millinery and fancy goods | Mrs. McFee | Napa | Diploma. |
| Best exhibit of stationery and musical instruments | George T. Smith | Napa | Diploma. |
| Best exhibit of household furnishing goods | H. Schwartz | Napa | Diploma. |
| Best exhibit of fine furniture | Thompson Bros. | Napa | Diploma. |
| Best exhibit of fine China ware and lamps | J. A. McClelland & Co. | Napa | Diploma. |
| Best exhibit of fine carriages | J. Jepsen | Napa | Diploma. |
| Best exhibit of perfumery in showcases | Wm. Stewart | Napa | Diploma. |
| Best exhibit of drugs | J. H. Lovejoy | Napa | Diploma. |
| Best exhibit of dry goods | H. B. Winship | Napa | Diploma. |

The Committee on Awards recommend the street and garden sprinkler of Rev. Dr. Wylie as a practicable and useful invention.

# SPEED PROGRAMME.

## TUESDAY, OCTOBER 2, 1888.

### Race No. 1—Running.

Free for all. Twenty-five dollars entrance; ten dollars forfeit; two hundred dollars added; fifty dollars to second horse. Three quarters of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Nancy, by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Welcome, by Warwick; dam, Aeola | D. Hennessey | San Francisco. |
| Notidle, by Wildidle; dam, by Monday | M. F. Tarpey | San Francisco. |
| Sid, unknown | F. Denio | Vallejo. |
| Carmen, by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| St. Patrick, by Hubbard; dam, by Monday | D. McGovern | Petaluma. |

SUMMARY.

| | | |
|---|---|---|
| Notidle | 1 | 1 |
| Welcome | 2 | 2 |

*Time*—1:16; 1:18.

### Race No. 2—Running.

For all ages. Special purse. Twelve dollars and fifty cents entrance; one hundred and fifty dollars added. One mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Bessie Shannon, by Shannon; dam, Betty Bishop | J. Reavy | San Francisco. |
| Jack Brady, by Wildidle; dam, Sour Grapes | H. Stover | San Francisco. |
| Lucifer, by Hindoo | D. Hennessey | San Francisco. |
| Nabeau, by Nathan Coombs; dam, Beauty | Wm. Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Jack Brady | 1 |
| Nabeau | 2 |
| Lucifer | 3 |
| Bessie Shannon | 4 |

*Time*—1:45¾.

### Race No. 3—Trotting and Pacing.

Special. Purse, two hundred and fifty dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mambrino Chief, Jr., by Mambrino Eclipse; dam, Highland Maid | T. Smith | Vallejo. |
| Cora C, by Whippleton; dam, by Naubuc | H. B. Starr | Napa. |
| Colena, by Coligny; dam, by Casserly | M. Reames | Suisun. |
| Bud, by Gladiator | C. H. Gibbs | St. Helena. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Cora C | 1 | 3 | 1 | 2 | 1 |
| Bud | 4 | 1 | 3 | 1 | 3 |
| Mambrino Chief, Jr. | 3 | 2 | 2 | 3 | 2 |
| Colena | 2 | 4 | 4 | dis. | |

*Time*—2:35¼; 2:34; 2:39; 2:33; 2:33½.

---

RACE NO. 4—TROTTING.

2:30 Class. Purse, eight hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Rosie Mc, by Alex Button; dam, Rosedale | G. W. Woodard | Yolo. |
| Elector, by Electioneer; dam, Lady Babcock | O. A. Hickok | San Francisco. |
| Express, by Electioneer; dam, Esther | Palo Alto Stock Farm | Palo Alto. |
| Ben Ali, by Geo. M. Patchen | J. Goldsmith | San Mateo. |
| Judge | J. A. Dustin | San Francisco. |

SUMMARY.

| | | | |
|---|---|---|---|
| Ben Ali | 1 | 1 | 1 |
| Elector | 2 | 2 | 2 |

*Time*—2:27; 2:28; 2:30½.

---

WEDNESDAY, OCTOBER 3, 1888.

RACE NO. 5—TROTTING.

2:20 Class. Purse, one thousand dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lily Stanley, by Whippleton; dam, Dollie McMahon | F. L. & N. Coombs | Napa. |
| Woodnut, by Nutwood; dam, Addie | B. C. Holly | Vallejo. |
| Gertrude Russell, by Electioneer; dam, Winnie | Palo Alto Stock Farm | Menlo Park. |
| Alcazar, unknown | L. J. Rose | Los Angeles. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Woodnut | 2 | 1 | 1 | 1 |
| Lily Stanley | 1 | 2 | 2 | 2 |

*Time*—2:17½; 2:22¼; 2:22; 2:22.

---

RACE NO. 6—PACING.

2:25 Class. Purse, five hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Little Hope, by Tempest; dam, Wilson's Bluebell | W. B. Bradbury | San Francisco. |
| Racquet, unknown | C. J. Havens | San Francisco. |
| Damiana, by Admiral | L. E. Clawson | San Francisco. |
| Prussian Boy, by General Burton; dam, Prussian Maid | P. Brandow | San Francisco |
| Goldleaf, by Sidney; dam, Fernleaf | Pleasanton St'k Farm | Pleasanton. |
| Ned Winslow, by Tom Burton | J. L. McCord | Sacramento. |
| San Diego, by Victor | H. C. Airhart | San Diego. |
| Tom Linderman, by Tom Kimball | F. W. Dyer | Salt Lake. |

SUMMARY.

| | | | |
|---|---|---|---|
| Goldleaf | 1 | 1 | 1 |
| San Diego | 2 | 2 | 2 |
| Damiana | 3 | 3 | 3 |

*Time*—2:20½; 2:23; 2:15.

---

RACE NO. 7—TROTTING.

District 2:40 Class. Purse, five hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Burton, by Nanbuc | C. W. Gardner | Napa. |
| Economy, by Echo; dam, Lady Berky | B. C. Holly | Vallejo. |
| Van | J. Steffens | Vallejo. |
| Mambrino Chief, Jr., by Mambrino Eclipse; dam, Highland Maid | T. Smith | Vallejo. |
| Frank O'Neil, by Whippleton; dam, Slight | J. Corcoran | Petaluma. |
| Alcona, Jr., by Alcona; dam, Madora | J. P. Rodehaver | Petaluma. |
| Annetto, by Anteeo; dam, Emma Taylor | M. O'Reilly | Petaluma. |
| Mortimer, by Electioneer; dam, Mentie | W. Page | Sonoma County. |
| Roena, by Echo | G. Pacheco | Novato. |

SUMMARY.

| | | | |
|---|---|---|---|
| Burton | 1 | 1 | 1 |
| Van | 2 | 2 | 2 |
| Mortimer | 4 | 3 | 3 |
| Mambrino Chief, Jr. | 3 | 4 | 4 |

*Time*—2:30½; 3:33½; 2:32.

---

THURSDAY, OCTOBER 4, 1888.

RACE NO. 8—RUNNING.

Free for all. Twenty-five dollars entrance; ten dollars forfeit; two hundred and fifty dollars added; fifty dollars to second horse. One mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Oscar Wilde, by Don Victor; dam, Esther | E. Yates | |
| Fusillade's Last, by J. M. Norton; dam, Fusillade | B. C. Holly | Vallejo. |
| Hermes | L. A. Blasingame | Fresno. |
| Sidon, by N. Coombs; dam, Gypsy | Wm. Boots | Milpitas. |
| Sid | F. M. Denio | Vallejo. |
| Index, by Thad Stevens | Wm. Boots | Milpitas. |
| Laura Gardner, by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara. |
| St. Patrick, by Hubbard; dam, by Monday | D. McGovern | Petaluma. |

SUMMARY.

| | | |
|---|---|---|
| Laura Gardner | 1 | 1 |
| Fusillade's Last | 2 | 2 |

*Time*—1:44½; 1:46.

RACE No. 9—TROTTING.

3:00 Class. Purse, six hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Perihelion, by Admiral; dam, Flora | W. S. Ray | San Francisco. |
| Sonnet, by Bentonian Sontag; dam, Dixie | Palo Alto Stock Farm | Menlo Park. |
| Lady Escott | J. A. Dustin | San Francisco. |
| Ross S | R. C. Sargent | Lodi. |
| Maggie E | S. B. Emerson | |

Walkover for Perihelion.

RACE No. 10—RUNNING.

Special purse, one hundred and fifty dollars. One and one eighth miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Welcome, by Warwick | D. Hennessey | San Francisco. |
| Jack Brady, by Wildidle | H. Stover | San Francisco. |
| Index | William Boots | Milpitas. |

SUMMARY.

| | |
|---|---|
| Index | 1 |
| Welcome | 2 |
| Jack Brady | 3 |

*Time*—1:56½.

RACE No. 11—TROTTING.

For all three-year olds in the district. Purse, four hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gasmeter | H. Jensen | St. Helena. |
| Ben Davis, by Great Tom; dam, Tena | B. C. Holly | Vallejo. |
| Anti-Coolie, by Anteeo | D. R. Misner | Petaluma. |
| Alfred G | W. McGraw | Santa Rosa. |
| Redwood | A. McFayden | Santa Rosa. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Anti-Coolie | 1 | 1 | 2 | 1 |
| Ben Davis | 2 | 2 | 1 | 2 |

*Time*—2:43; 2:42; 2:36½; 2:40.

RACE No. 12—TROTTING.

Special. Purse, two hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Direct, by Director | A. McDowell | Pleasanton. |
| Perihelion, by Admiral | W. S. Ray | San Francisco. |
| Burton, by Naubuc | Gardner Bros. | Napa. |

SUMMARY.

| | | | |
|---|---|---|---|
| Direct | 1 | 1 | 1 |
| Burton | 3 | 2 | 2 |
| Perihelion | 2 | 3 | 3 |

*Time*—2:29½; 2:33; 2:23.

---

FRIDAY, OCTOBER 5, 1888.

RACE NO. 13—TROTTING.

2:25 Class. Purse, eight hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ben Ali, by Geo. M. Patchen, Jr. | San Mateo Stock Farm | San Francisco. |
| Franklin, by General Reno | Chas. Davis | |
| Express, by Electioneer; dam, Esther | Palo Alto Stock Farm | San Francisco. |
| Allo, by Altoona | A. C. Davenport | Stockton. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| Ben Ali | 2 | 2 | 1 | 1 | 1 |
| Allo | 3 | 1 | 2 | 2 | 2 |
| Franklin | 1 | 3 | 3 | 3 | 3 |

*Time*—2:25¼; 2:22½; 2:23½; 2:25; 2:23¾.

---

RACE NO. 14—TROTTING.

District 2:30 Class. Purse, six hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Flora B, by Whippleton | H. B. Starr | Napa. |
| Economy, by Echo; dam, Lady Berky | B. C. Holly | Vallejo. |
| Van, sire unknown | J. Steffens | Vallejo. |
| Mattie P, by Jackson Temple | Robert Brown | Petaluma. |
| Boss, by Gladiator | S. Sperry | Petaluma. |

SUMMARY.

| | | | |
|---|---|---|---|
| Flora B | 1 | 1 | 1 |
| Mattie P | 3 | 2 | 2 |
| Van | 2 | 3 | 3 |
| Boss | 4 | 4 | 4 |

*Time*—2:33; 2:30; 2:29½.

---

RACE NO. 15—TROTTING.

District two-year olds. Purse, four hundred dollars. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Captor, by Capri | A. J. Zane | Santa Rosa. |
| George Washington, by Mambrino Chief, Jr.; dam, Fannie Rose | T. Smith | Vallejo. |
| Gertie G, by Capri | R. D. Misner | Petaluma. |
| Eclectic, by Electioneer; dam, Marietta | W. Page | Sonoma County. |
| Redwin, by Sample, Jr. | J. W. Williams | St. Helena. |

SUMMARY.

| | | | |
|---|---|---|---|
| George Washington | 2 | 1 | 1 |
| Captor | 1 | 2 | 2 |
| Gertie G | 3 | 3 | 3 |

*Time*—2:48; 2:44; 2:51½.

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RACE NO. 16—TROTTING.

Special purse for yearlings. Fifty dollars. One mile heat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Frank B, by Coligny; dam, by Casserly | W. T. Bartlett | Suisun. |
| R D, by Coligny | C. Reames | Suisun. |
| D H, by Coligny; dam, by Irwin Davis | D. Hale | Suisun. |

SUMMARY.

| | |
|---|---|
| Frank B | 1 |
| D H | 2 |
| R D | 3 |

*Time*—3:44½.

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SATURDAY, OCTOBER 6, 1888.

RACE NO. 17—RUNNING.

Free for all. Twenty-five dollars entrance; ten dollars forfeit. Two hundred and fifty dollars added; fifty dollars to second horse. One and one quarter miles dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Oscar Wilde, by Don Victor; dam, Esther | E. Yates | |
| Fusillade's Last, by J. W. Norton; dam, Fusillade | B. C. Holly | Vallejo. |
| Hermes, by Jim Brown; dam, Herclaide | L. A. Blasingame | |
| Nancy, by Jim Brown; dam, Nannie Hubbard | B. C. Holly | Vallejo. |
| Welcome, by Warwick; dam, Aeola | D. Hennessey | San Francisco. |
| Carmen, by Wildidle; dam, Nettie Brown | W. L. Appleby | Santa Clara. |
| Sid, unknown | F. M. Denio | Vallejo. |
| St. Patrick, by Hubbard; dam, by Monday | D. McGovern | Petaluma. |
| Nabeau, by Nathan Coombs; dam, Beauty | Wm. Boots | Milpitas. |
| Sidon, by Nathan Coombs; dam, Gypsy | Wm. Boots | Milpitas. |
| Notidle, by Wildidle; dam, Bonanza | M. F. Tarpey | San Francisco. |
| Laura Gardner, by Jim Brown; dam, Avail | W. L. Appleby | Santa Clara. |

SUMMARY.

| | |
|---|---|
| Laura Gardner | 1 |
| Welcome | 2 |
| Notidle | 3 |

*Time*—2:09½.

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RACE NO. 18—SPECIAL TROTTING AND PACING.

Purse, one thousand dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Arab, by Arthurton | O. A. Hickok | San Francisco. |
| Goldleaf, by Sidney; dam, Fernleaf | Pleasanton St'k Farm | Pleasanton. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Arab | 2 | 1 | 1 | 1 |
| Goldleaf | 1 | 2 | 2 | 2 |

*Time*—2:15¼; 2:18; 2:20¼; 2:20.

---

RACE NO. 19—TROTTING.

Free for all. Purse, one thousand dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Arab | O. A. Hickok | San Francisco. |
| Adair | J. A. Dustin | San Francisco. |
| Director | Pleasanton Stock Farm | Pleasanton. |
| Stamboul | L. J. Rose | Los Angeles. |

Walkover for Arab.

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RACE NO. 20—TROTTING AND PACING.

For named horses. Purse, eight hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mount Vernon, by Nutwood | J. A. McCloud | San Francisco. |
| Damiana, by Admiral | L. E. Clawson | San Francisco. |
| Burton, by Naubuc | Gardner Bros. | Napa. |
| Perihelion, by Admiral | C. David | San Francisco. |
| San Diego, by Victor | H. C. Airhart | San Diego. |

SUMMARY.

| | | | | | |
|---|---|---|---|---|---|
| San Diego | 2 | 1 | 2 | 1 | 1 |
| Mount Vernon | 1 | 2 | 1 | 2 | 2 |
| Burton | 3 | 3 | 4 | 3 | 4 |
| Perihelion | 5 | 5 | 3 | 4 | 3 |
| Damiana | 4 | 4 | 5 | 5 | 5 |

*Time*—2:22; 2:22½; 2:24½; 2:24½; 2:27.

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RACE NO. 21—TROTTING.

Special, for horses owned in the district. Purse, two hundred dollars. Mile heats; best three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Mambrino Chief, Jr. | T. Smith | Vallejo. |
| Nellie McPike | A. J. McPike | Vallejo. |
| Anti-Coolie | D. R. Misner | Petaluma. |
| C H G | C. H. Gibbs | St. Helena. |

SUMMARY.

| | | | | |
|---|---|---|---|---|
| Mambrino Chief, Jr. | 1 | 1 | 1 | |
| C H G | 2 | 2 | 2 | |
| Nellie McPike | 3 | 3 | 3 | |
| Anti-Coolie | 4 | 4 | dr. | |

*Time*—2:41½; 2:40½; 2:38½.

# TRANSACTIONS

OF THE

# TWENTY-SIXTH DISTRICT AGRICULTURAL ASSOCIATION

*For the Year 1888,*

Composed of the Counties of Amador and Calaveras.

# OFFICERS OF THE ASSOCIATION.

U. S. GREGORY ..... President.
CLOVIS T. LaGRAVE ..... Secretary.
GEO. WOOLSEY ..... Treasurer.

## DIRECTORS.

I. N. HOLMAN ..... Wallace.
F. FRATES ..... Ione.
A. C. SMITH ..... Plymouth.
B. ISAACS ..... Ione.
H. A. MESSENGER ..... Valley Springs.
W. P. PEEK ..... Jackson.
C. GARDELLA ..... Mokelumne Hill.
U. S. GREGORY ..... Ione.

# REPORT.

Ione, December 31, 1888.

*To the honorable the State Board of Agriculture:*

Gentlemen: The Directors of the Twenty-sixth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

CLOVIS T. LaGRAVE,
Secretary.

## RECEIPTS AND EXPENDITURES.

*Receipts.*

| | | |
|---|---|---|
| Memberships | $280 50 | |
| Season tickets | 519 00 | |
| Park gate tickets | 758 00 | |
| Park grand stand | 204 80 | |
| Pavilion tickets | 237 40 | |
| Entrance fees | 1,335 00 | |
| Hack licenses | 60 00 | |
| Subscriptions | 527 50 | |
| State appropriation | 1,200 00 | |
| Privileges | 1,163 00 | |
| Pools | 362 75 | |
| Hay sold | 24 55 | |
| Advertisements | 18 00 | |
| Wood sold | 2 50 | |
| Wheelbarrow sold | 3 00 | |
| | | $6,696 00 |

*Expenditures.*

| | | |
|---|---|---|
| Improvements | $2,406 18 | |
| Miscellaneous fair expenses | 816 00 | |
| Premiums and purses | 3,935 00 | |
| Premiums and expenses from 1887 | 630 00 | |
| | | $7,787 18 |

# EXHIBITS AT THE FAIR—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS I—THOROUGHBRED HORSES. | | |
| Susie Hooker | R. T. McCarty | Copperopolis. |
| Jack Brady | W. L. Davis | Copperopolis. |
| CLASS II—GRADED HORSES. | | |
| Counselor | Wm. Kern | Ione. |
| Ajax | C. F. Bunch | Ione. |
| Emma | J. C. Dillian | Buena Vista. |
| Lady Hawkins | W. J. McGee | Jackson. |
| Nathan Coombs | J. C. Norris | Buena Vista. |
| Beauty | F. Seguin | Ione. |
| Alice, suckling colt | G. D. Wirts | Forest Home. |
| Suckling colt | W. H. Prouty | Ione. |
| Linnette | C. F. Bunch | Ione. |
| CLASS III—FAMILIES. | | |
| Queen, and three colts | Fred. Greve | West Point. |
| CLASS IV—HORSES OF ALL WORK. | | |
| Daisy | J. Clifton | Ione. |
| Prince | Robert Downey | Ione. |
| Orphan | W. O. Cutler | Jenny Lind. |
| Leo | W. O. Cutler | Jenny Lind. |
| Brigham | S. A. Phillips | Ione. |
| CLASS V—ROADSTERS. | | |
| Nutwood | W. H. Prouty | Ione. |
| CLASS VI—BUGGY HORSES. | | |
| Dexter | R. H. Bagley | Ione. |
| Fanny | C. W. Swain | Ione. |
| CLASS VII—DRAFT HORSES. | | |
| Peter | D. Denney | Ione. |
| Idor | S. Burton | Ione. |
| Star | J. T. Clifton | Ione. |
| Jumbo | Fred. Greve | West Point. |
| Paronette | Voorhies & Barney | Drytown. |
| Pattre | Voorhies & Barney | Drytown. |
| Utille | Voorhies & Barney | Drytown. |
| Barney | S. A. Phillips | Drytown. |
| CLASS X—THOROUGHBRED CATTLE. | | |
| Ida | Geo. Withington | Ione. |
| Daisy | Geo. Withington | Ione. |
| CLASS XII—GRADED CATTLE. | | |
| Cow | D. Denney | Ione. |
| Calf | D. Denney | Ione. |
| Queen | G. L. Tubbs | Jackson Valley. |
| Mollie | J. C. Norris | Buena Vista. |
| Queen | Mrs. S. Seryanovich | Ione. |
| Mayflower | Mrs. S. Seryanovich | Ione. |
| Julia S. | Mrs. S. Seryanovich | Ione. |

LIVE STOCK DEPARTMENT—Continued.

| Name of Animal. | Owner. | Address. |
|---|---|---|
| CLASS XV—SWINE. | | |
| Pen of Berkshires | W. H. Prouty | Ione. |
| CLASS XVI—POULTRY. | | |
| Buff Cochins | J. H. Cunningham | Ione. |
| Langshans | Eugene Woolsey | Ione. |
| Bantams | Eugene Woolsey | Ione. |
| Houdans | N. Johnson | Ione. |
| Bunties | N. Johnson | Ione. |
| Leghorns | N. Johnson | Ione. |

# PREMIUMS AWARDED—1888.

## LIVE STOCK DEPARTMENT.

| Name of Animal. | Owner. | Address. | Award. |
|---|---|---|---|
| **GRADED HORSES.** | | | |
| Stallion | Wm. Kern | Ione | $15 00 |
| Mare | W. J. McGee | Jackson | $10 00 |
| Colt | J. C. Norris | Buena Vista | $7 50 |
| Filly | F. Sequin | Ione | $7 50 |
| Colt | G. D. Wirts | Forest Home | $3 00 |
| **FAMILY.** | | | |
| Mare and three colts | Fred. Greve | West Point | $15 00 |
| **HORSES OF ALL WORK.** | | | |
| Stallion | W. O. Cutler | Jenny Lind | $15 00 |
| Stallion | W. O. Cutler | Jenny Lind | $7 50 |
| **ROADSTER.** | | | |
| Gelding | W. H. Prouty | Ione | $5 00 |
| **BUGGY HORSE.** | | | |
| Gelding | R. H. Bagley | Ione | $7 50 |
| **DRAFT HORSES.** | | | |
| Stallion | Voorhies & Barney | Drytown | $10 00 |
| Stallion | J. T. Clifton | Ione | $7 50 |
| Stallion | D. Denney | Ione | $4 00 |
| **THOROUGHBRED CATTLE.** | | | |
| Cow | Geo. Withington | Ione | $15 00 |
| **GRADED CATTLE.** | | | |
| Calf | D. Denney | Ione | $5 00 |
| Cow | G. L. Tubbs | Jackson Valley | $7 50 |
| **SWINE.** | | | |
| Boar | W. H. Prouty | Ione | $6 00 |
| Sow | W. H. Prouty | Ione | $6 00 |
| **POULTRY.** | | | |
| Houdans | M. Johnson | Ione | $2 00 |
| Leghorns | M. Johnson | Ione | $2 00 |
| Buff Cochins | J. H. Cunningham | Ione | $2 00 |
| Langshans | Eugene Woolsey | Ione | $2 00 |
| Bantams | Eugene Woolsey | Ione | $2 00 |

## AGRICULTURAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best wheat | Jasper Johnson | Ione | $3 00 |
| Black barley | C. Simmons | Ione | Sp. men. |
| Exhibit of flour | B. Isaacs & Bro. | Ione | $5 00 |
| Best barley | A. Thompson | Jackson Valley | $3 00 |
| Best tobacco | J. C. Walker | Ione | $2 50 |
| Tobacco | J. Garibaldi | Amador | Sp. men. |
| Wheat and oats | H. A. Messenger | Valley Springs | Sp. men. |
| Green peppers | Jasper Johnson | Ione | $1 00 |
| Best collection of garden seeds | Jasper Johnson | Ione | $5 00 |
| Second best potatoes | J. Clifton | Ione | $2 50 |
| Best Indian corn | A. P. Harmon | Jackson | $3 00 |
| Best muskmelons | A. Leoni | Ione | $1 50 |
| Best stock beets | Geo. Withington | Ione | $2 00 |
| Best sweet corn | Geo. Withington | Ione | $3 00 |
| Best sweet peas | W. C. Jones | Ione | $1 50 |
| Best snap beans | W. C. Jones | Ione | $1 50 |
| Best cabbage | J. W. McMurry | Ione | $2 50 |
| Best onions | J. W. McMurry | Ione | $2 50 |
| Best tomatoes | J. W. McMurry | Ione | $2 50 |
| Largest squash | J. A. Gooding | Ione | $2 00 |
| Best watermelons | J. Kidd | Ione | $2 00 |
| Best exhibit of squashes | Geo. H. Dunlap | Ione | $2 00 |
| Best egg plant | J. Garibaldi | Amador City | $1 00 |
| Best potatoes | J. Garibaldi | Amador City | $5 00 |
| Best table carrots | J. Garibaldi | Amador City | $2 00 |
| Best table beets | J. Garibaldi | Amador City | $2 00 |
| Best display of garden vegetables | J. Garibaldi | Amador City | $5 00 |
| Second best display of garden vegetables | D. Denney | Amador City | $3 00 |
| Best popcorn | J. Cargnari | Camanche | $2 00 |
| Best cucumbers | J. Garibaldi | Amador City | $2 00 |
| Best sweet potatoes | J. Northup | Lancha Plana | $2 00 |
| Largest pumpkin | J. Northup | Lancha Plana | $2 00 |
| Best cantaloupes | J. Northup | Lancha Plana | $1 50 |
| Best collection of flowering plants | R. S. Woolsey | Ione | $5 00 |
| Best collection of foliage plants | R. S. Woolsey | Ione | $5 00 |
| Second best collection of plants | Geo. H. Dunlap | Ione | $2 50 |
| Third best collection of plants | Mrs. D. Denney | Ione | $1 50 |
| Best cut flowers | Geo. H. Dunlap | Ione | $1 50 |
| Best lard | J. W. Violett | Ione | $3 00 |
| Best butter | J. Northup | Lancha Plana | $3 00 |
| Best wheat bread | Clara Barnhisel | Oleta | $2 00 |
| Second best wheat bread | Glenn Walker | Ione | $1 00 |
| Best raised biscuit | Mrs. J. W. Violett | Ione | $1 00 |

## HORTICULTURAL DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best blackberries | Jasper Johnson | Ione | $1 00 |
| Second best pears | A. Leoni | Ione | $6 00 |
| Best peaches | J. A. Gooding | Lancha Plana | $7 50 |
| Second best figs | J. A. Gooding | Lancha Plana | $2 00 |
| Best plums | E. Merkel | Ione | $7 50 |
| Best pears | E. Merkel | Ione | $7 50 |
| Best exhibit of mountain fruit | J. Garibaldi | Amador | $15 00 |
| Best figs | G. H. Dunlap | Ione | $3 00 |
| Best pomegranates | J. Northup | Lancha Plana | $3 00 |
| Second best table grapes | J. Northup | Lancha Plana | $3 00 |
| Best strawberries | J. Northup | Lancha Plana | $1 00 |
| Best nectarines | J. Northup | Lancha Plana | $2 50 |
| Second best apples | A. P. Harmon | Jackson | $6 00 |
| Best apples | W. H. Prouty | Ione | $7 50 |
| Clingstone peaches | Thos. Crafts | Ione | Sp. men. |

HORTICULTURAL DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best table grapes | W. C. Jones | Ione | $5 00 |
| Best prunes | Geo. Woolsey | Ione | $7 50 |
| Best display of valley fruits | Geo. Woolsey | Ione | $15 00 |
| Second best plums | J. W. Violett | Ione | $6 00 |
| Best wine grapes | W. G. Edgar | Jackson Valley | $5 00 |
| Second best peaches | C. S. Black | Ione | $6 00 |
| Second best prunes | J. C. Walker | Ione | $4 50 |
| Best display of table grapes | B. Fischer | Lancha Plana | $5 00 |
| Best oranges | J. Northup | Lancha Plana | $5 00 |
| Best display of wine grapes | A. Caminetti | Jackson | Diploma. |
| Nuts | Thos. Clifton | Ione | $1 50 |
| Best machine-dried peaches | Geo. Woolsey | Ione | $3 00 |
| Best machine-dried prunes | Geo. Woolsey | Ione | $3 00 |
| Largest display of dried fruits | Geo. Woolsey | Ione | $5 00 |
| Best machine-dried apples | E. Ginocchio & Bro. | Jackson | $3 00 |
| Second best machine-dried prunes | E. Ginocchio & Bro. | Jackson | $2 00 |
| Best machine-dried raisins | E. Ginocchio & Bro. | Jackson | $3 00 |
| Second best machine-dried apples | J. W. Violett | Ione | $2 00 |
| Best machine-dried pears | J. W. Violett | Ione | $3 00 |
| Best sun-dried raisins | W. G. Edgar | Jackson Valley | $3 00 |
| Second best sun-dried peaches | D. Denney | Ione | $2 00 |
| Best black walnuts | Mrs. D. Dawson | Ione | $1 50 |
| Best almonds | J. A. Gooding | Lancha Plana | $1 50 |
| Best peanuts | W. H. Prouty | Ione | $1 00 |
| Best honey | A. P. Harmon | Jackson | $2 00 |
| Second best fruit in glass | Mrs. G. Withington | Ione | $2 00 |
| Best fruit in glass | Geo. Woolsey | Ione | $3 00 |
| Best preserves in glass | Geo. Woolsey | Ione | $3 00 |
| Best jellies in glass | Mrs. J. W. Violett | Ione | $3 00 |
| Second best jellies in glass | Mrs. D. Denney | Ione | $2 00 |
| Second best preserves in glass | W. H. Prouty | Ione | $2 00 |
| Best dry wine | Geo. Woolsey | Ione | $3 00 |
| Best apple cider | Geo. Woolsey | Ione | $2 00 |
| Best sweet wine | W. G. Edgar | Jackson Valley | $3 00 |
| Best claret | W. G. Edgar | Ione | $3 00 |
| Best beer | Jos. Hirschle | Ione | Dip., $3. |

## NEEDLE AND FANCY WORK DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Silk crazy quilt | Mrs. Geo. Dunlap | Ione | Sp. men. |
| Best lambrequin | Mrs. A. Finn | Plymouth | $1 50 |
| Best pincushion | Mrs. A. Finn | Plymouth | $1 00 |
| Quilt | Mrs. H. Martin | Ione | $2 00 |
| Best fire screen | Mrs. R. H. Bagley | Ione | $2 50 |
| Best infants' clothing | Mrs. C. Zhender | Volcano | $2 50 |
| Best fine lace work | Mrs. C. Zhender | Volcano | $2 00 |
| Best embroidered table scarf | Mrs. J. F. Stewart | Ione | $2 50 |
| Fine lace work | Mrs. N. Johnston | Ione | $1 00 |
| House rug | Mrs. N. Johnston | Ione | $0 75 |
| Album quilt | Mrs. G. Withington | Ione | Sp. men. |
| Best display of quilts | Mrs. D. Dawson | Ione | $2 50 |
| Best silk embroidery | Mrs. M. C. Rendell | Ione | $2 50 |
| Outline embroidery | Mrs. M. C. Rendell | Ione | Sp. men. |
| Patchwork quilt | Mrs. M. C. Rendell | Ione | $1 00 |
| Best chenille work | Mrs. Southerland | Ione | $2 00 |
| Best carriage afghan | Mrs. Southerland | Ione | $2 50 |
| Best embroidered banner | Mrs. Southerland | Ione | $2 50 |
| Best handkerchief case | Mrs. C. T. LaGrave | Ione | $1 50 |
| Handsomest ornamental plaques | Mrs. C. T. LaGrave | Ione | $2 50 |
| Best crochet bedspread | O. W. Rhinehart | Pine Grove | $2 50 |
| Silk crazy quilt | Mrs. O. T. Wilson | Ione | Sp. men. |
| Best crochet skirts | Mrs. J. Marchant | Ione | $2 50 |
| Best macrame work | Miss M. E. Schrack | Mokelumne Hill | $1 50 |

NEEDLE AND FANCY WORK DEPARTMENT—Continued.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Crochet and knit lace work | Mrs. M. L. Earle | Lancha Plana | Sp. men. |
| Patchwork quilt | Mrs. J. W. Violett | Ione | Sp. men. |
| Best silk crazy quilt | Mrs. E. Evans | Jackson | $3 00 |
| Best arrasene footstool | Mrs. J. Hewitt | Jackson | $1 50 |
| Handsomest sofa cushion | Mrs. J. Hewitt | Jackson | $1 50 |
| Handsomest tidies | Miss L. McHardy | Ione | $1 50 |
| Best outline embroidery | Miss L. McHardy | Ione | $1 50 |
| Best sofa cushion | Miss L. McHardy | Ione | $0 75 |
| Best darned net work | Mrs. C. T. LaGrave | Ione | $2 00 |
| Best knit wool baby socks | Mrs. J. Maestretti | Ione | $1 50 |
| Patchwork quilt | Mrs. D. Denney | Ione | $2 00 |
| Best crewel work | Mrs. M. T. White | Ione | $1 00 |
| Best arrasene embroidery | Mrs. M. T. White | Ione | $1 50 |
| Best house rug | Rev. M. T. White | Ione | $1 00 |
| Best arrasene footstool | Mrs. C. Hofman | Jackson | $1 00 |
| Best hand-made hose | Mrs. B. S. Sanborn | Jackson | $1 50 |
| Crochet skirt | Mrs. I. N. Harlan | Ione | $2 50 |
| Lamp mat | Mrs. I. N. Harlan | Ione | $1 00 |
| Best knitted bedspread | Mrs. A. Yoak | Jackson | $2 50 |
| Handsomest pillow shams | Mrs. E. Evans | Jacksoif | $2 50 |
| Hair work | Mrs. M. T. White | Ione | $1 50 |
| Macrame lambrequin | Mrs. I. N. Harlan | Ione | $1 50 |
| Best paper flowers | Miss A. Dwyer | Jackson | $1 50 |
| Campo display | Mrs. O. T. Wilson | Ione | $1 50 |
| Best display of fancy work | Mrs. O. T. Wilson | Ione | $5 00 |
| Knitted bedspread | Mrs. Seryanovich | Ione | $1 50 |
| JUVENILE. | | | |
| Best fine lace | Lucy Johnston | Ione | $1 50 |
| Best embroidered pincushion | Aggie Stewart | Ione | $0 50 |
| Best handkerchief | Mamie Ringer | Buena Vista | $1 50 |
| Best cotton embroidery | Aida Ringer | Buena Vista | $1 50 |
| Best patchwork quilt | Clara Barnhisel | Oleta | $1 50 |
| Best knit tidy | Mamie Tierney | Ione | $0 50 |

## FINE ART DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best oil painting (still life) | Dr. O. T. Wilson | Ione | $5 00 |
| Best oil painting (landscape) | Dr. O. T. Wilson | Ione | $5 00 |
| Best collection | Dr. O. T. Wilson | Ione | $5 00 |
| Best landscape painting | Miss Cora Love | Ione | Sp. men. |
| Second best landscape painting | Miss E. Woolsey | Ione | $2 50 |
| Best flower painting | Mrs. C. T. LaGrave | Ione | $2 50 |
| Best painting on textile fabrics | Mrs. C. T. LaGrave | Ione | $2 50 |
| Best collection | Mrs. C. T. LaGrave | Ione | $5 00 |
| Best crayon drawing | Miss E. I. Putnam | Ione | $1 50 |
| Best pen drawing | C. W. Swain | Ione | $1 50 |
| Best pencil drawing | Miss C. Love | Ione | $1 50 |
| Best kensington painting | Mrs. J. F. Scott | Ione | $2 00 |
| Best plaque oil painting | Miss Ivy Mace | Jackson | $2 00 |
| Best oil painting | Miss Ivy Mace | Jackson | $2 50 |
| Best collection of photographs | C. Sutterly | Ione | Dip.,$5 00 |

## MECHANICAL AND MISCELLANEOUS DEPARTMENT.

| Article Exhibited. | Exhibitor. | Address. | Award. |
|---|---|---|---|
| Best artificial dentures | Dr. O. T. Wilson | Ione | Dip.,$3 00 |
| Best soapstone | A. P. Harmon | Jackson | $1 50 |
| Best hard soap | J. Northup | Lancha Plana | $1 00 |
| Best soft soap | J. Northup | Lancha Plana | $2 00 |
| Best exhibit of pottery | Fred. Hammer | Ione | $7 50 |
| Best exhibit of firebrick | Fred. Hammer | Ione | $3 00 |
| Best table cutlery | Geo. Woolsey | Ione | $2 50 |
| Best pocket cutlery | Geo. Woolsey | Ione | $2 50 |
| Best silverware | Geo. Woolsey | Ione | Dip.,$1 00 |
| Best buckskin gloves | W. G. Edgar | Jackson Valley | $3 00 |
| Best display of raw silk | J. A. Garibaldi | Jackson | $5 00 |

# SPEED PROGRAMME.

TUESDAY, AUGUST 7, 1888.

RACE NO. 1—RUNNING.

For district saddle horses. Ten dollars for starters. Fifty dollars added. Six hundred yards and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gallagher | C. F. Bunch | Ione. |
| Copper Cent | M. Heffren | Ione. |
| Parnell | D. Scully | Ione. |
| Tenbroeck | S. Sumate | Stockton. |
| Little Rube | Nuner & Berry | Valley Springs. |
| Major | J. I. Minear | Jackson. |

SUMMARY.

Copper Cent ..... 1
Little Rube ..... 2
Tenbroeck ..... 3

*Time*—0:34½; 0:33¾.

RACE NO. 2—RUNNING.

For district horses. Twenty dollars entrance; one half forfeit. One hundred and fifty dollars added; of which, fifty dollars to second horse; third to save stake. One half mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Barney G | U. S. Gregory | Ione. |
| Painkiller | G. L. Richardson | Latrobe. |
| Norton | E. Flitner | Sacramento. |
| Bodie | A. C. Smith | Plymouth. |
| Jack Brady | W. L. Davis | Copperopolis. |
| Susie | R. T. McCarty | Copperopolis. |

SUMMARY.

Susie ..... 1
Jack Brady ..... 2
Painkiller ..... 3

*Time*—0:49.

RACE No. 3—TROTTING AND PACING.

Free for all trotters and pacers without record up to date entries close. Purse, three hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ontario | A. Tietjens | Sacramento. |
| Ross S | W. Ober | Sacramento. |
| Little Doc | F. Seguin | Ione. |
| Johnny Skelton | T. D. White | Sacramento. |

SUMMARY.

| | |
|---|---|
| Ontario | 1 |
| Ross S | 2 |
| Little Doc | 3 |

*Time*—2:29½; 2:31; 2:29½; 2:32.

---

RACE No. 4—RUNNING.

For all ages. Twenty-five dollars entrance; ten dollars forfeit. Two hundred dollars added; of which, fifty dollars to second horse; third to save stake. One half mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lida Ferguson | H. Willits | Willits. |
| Minnie R | E. Flitner | Latrobe. |
| Peregrine | W. M. Murry | Sacramento. |
| Blue Bonnet | D. Dennison | Sacramento. |

SUMMARY.

| | |
|---|---|
| Lida Ferguson | 1 |
| Peregrine | 2 |
| Minnie R | 3 |

*Time*—0:48; 0:48¾.

---

RACE No. 5—TROTTING.

2:27 Class. Purse, four hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ha Ha | Houser & Soule | Stockton. |
| Eva W | George Cropsy | Pleasanton. |
| Ed | A. T. Jackson | Stockton. |

SUMMARY.

| | |
|---|---|
| Ha Ha | 1 |
| Eva W | 2 |
| Ed | 3 |

*Time*—2:28¾; 2:30¾; 2:29½; 2:32½.

SPECIAL RACE—RUNNING.

Purse, one hundred dollars. Five eighths of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Maggie D | D. Dennison | Sacramento. |
| Menlo | E. Flintner | Latrobe. |
| Plato | A. Harrison | Stockton. |
| Minnie B | H. E. Barton | Latrobe. |
| Avondale | A. Y. Stephenson | Boise City, Idaho. |

SUMMARY.

| | |
|---|---|
| Minnie B | 1 |
| Maggie D | 2 |
| Menlo | 3 |

*Time*—1:03¾; 1:04¾.

SPECIAL RACE—TROTTING.

3:00 Class. For named horses. Purse, one hundred dollars. Mile heats; best two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ajax | C. F. Bunch | Ione. |
| Harry Gear | A. T. Jackson | Stockton. |
| Hiram Wilkes | F. Post | Stockton. |
| Switchoff | W. Ober | Sacramento. |

SUMMARY.

| | |
|---|---|
| Switchoff | 1 |
| Ajax | 2 |
| Hiram Wilkes | 3 |

*Time*—3:11; 3:07; 3:08.

RACE NO. 6—RUNNING.

For all ages. Twenty-five dollars entrance; ten dollars forfeit; two hundred dollars added, of which fifty dollars to second horse; third to save stake. One mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Hermes | L. A. Blasingame | Fresno. |
| Phantom | H. Howard | Stockton. |
| Dave Douglas | D. Dennison | Sacramento. |
| Cito | H. Willits | Willits. |
| Susie S | A. Y. Stephenson | Boise City, Idaho. |
| Etta W | A. Wakeman | Sacramento. |

SUMMARY.

| | |
|---|---|
| Susie S | 1 |
| Dave Douglas | 2 |
| Hermes | 3 |

*Time*—1:43¾; 1:43¾; 1:45.

RACE No. 9—RUNNING.

Handicap. For district horses. Fifteen dollars entrance. One half forfeit. One hundred and fifty dollars added, of which fifty dollars to second horse; third to save stake. Six hundred yards dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Lucy Penry | A. C. Smith | Plymouth. |
| Norton | E. Flitner | El Dorado Co. |
| Susie Hooker | R. T. McCarty | Copperopolis. |
| Barney G | U. S. Gregory | Ione. |
| Painkiller | H. E. Barton | Latrobe. |

SUMMARY.

Susie Hooker ..... 1
Painkiller ..... 2
Barney G ..... 3

*Time*—0:32.

---

RACE No. 8—RUNNING.

For all ages. Twenty dollars entrance; ten dollars forfeit. One hundred and fifty dollars added, of which fifty dollars to second horse; third to save stake. Three quarters of a mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Blue Bonnet | D. Dennison | Sacramento. |
| Pickpocket | M. D. Garney | Stockton. |
| Peregrine | W. M. Murry | Sacramento. |
| Annie B | Nuner & Berry | Valley Springs. |

SUMMARY.

Peregrine ..... 1
Blue Bonnet ..... 2
Pickpocket ..... 3

*Time*—1:16; 1:16.

---

SPECIAL TROTTING RACE.

2:40 Class. Purse, four hundred dollars.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ross S | R. C. Sargent | Stockton. |
| Steve Whipple | W. H. Parker | Stockton. |
| The Dude | J. R. Hodson | Sacramento. |

SUMMARY.

Ross S ..... 1
Steve Whipple ..... 2
The Dude ..... 3

*Time*—2:32; 2:29¼; 2:30.

### Special Trotting Race.

For yearlings. Half mile heats; two in three.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Linnette | C. F. Bunch | Ione. |
| Cherokee Prince | A. T. Jackson | Stockton. |

SUMMARY.

| | |
|---|---|
| Linnette | 1 |
| Cherokee Prince | 2 |

*Time*—2:23; 2:12.

---

### Special Running Purse.

Purse, one hundred dollars. Five eighths of a mile dash.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| J M R | W. M. Murry | Sacramento. |
| Minnie R | E. Flitner | El Dorado Co. |
| Blue Bonnet | D. Dennison | Sacramento. |
| Susie Hooker | R. T. McCarty | Copperopolis. |

SUMMARY.

| | |
|---|---|
| J M R | 1 |
| Minnie R | 2 |
| Blue Bonnet | 3 |

*Time*—1:02½.

---

### Novelty Race.

Purse, one hundred dollars; twenty-five dollars to each quarter. One mile.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Painkiller | H. E. Barton | Latrobe. |
| Little Rube | Nuner & Berry | Valley Springs. |
| Maggie D | D. Dennison | Sacramento. |
| Menlo | M. McCrimmons | Sacramento. |

Painkiller won first, second, and third quarters, and mile. Time of mile—1:47.

---

### Special Trotting and Pacing Race.

Purse, one hundred dollars. Mile heats; three in five.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Ontario | A. Tietjens | Sacramento. |
| Little Doc | F. Seguin | Ione. |
| Johnny Skelton | J. R. Hodson | Sacramento. |

SUMMARY.

Ontario ..... 1
Johnny Skelton ..... 2
Little Doc ..... 3

*Time*—2:29½; 2:32; 2:33; 2:35½.

---

MATCH RACE.

One quarter mile and repeat.

| Name and Pedigree of Horse. | By Whom Entered. | Address. |
|---|---|---|
| Gallagher | C. F. Bunch | Ione. |
| Major | W. C. Minear | Jackson. |
| Daisy L | R. S. Love | Ione. |

SUMMARY.

Gallagher ..... 1
Major ..... 2
Daisy L ..... 3

*Time*—0:23½; 0:23¾; 0:23¼.

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